

atctggaagc agatggctgg tgctgggatc aagtacatcc ccagcaa

287

<210> 2739

<211> 306

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2739

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ccctcagnag cgnagaagaa gccncagaga actagtctcn tactctcacc cgcaagaaaa 120  
aaatggcatc tcacatcggt ggatacccc gtatgggtcc caagagagag ctcaagttcg 180  
ctctcgagtc tttctgggat ggcaagagca gcgccgagga tttgcagaag gtgtcttctg 240  
atctcagggc atccatctgg aagcagatgg ctgatgctgg gatcaagtac atccccagca 300  
acactt 306

<210> 2740

<211> 291

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2740

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aagaagaagc cacagagaac cagtctccta ctctctctca ccacaagaa aaatggcatc 120  
tcacatcggt ggatacccc gcatgggtcc caagagagag ctcaagttcg ctctcgagtc 180  
tttctgggat ggcaagagca gcgccgagga tttgcagaag gtggctgctg atctcaggtc 240  
atccatctgg aagcagatgg ctgggtgctgg gatcaagtac atccccagca a 291

<210> 2741

<211> 322

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2741

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agccacagag aactagtctc ctactctcac ccgcaagaaa aaaatggcat actgcacatt 120

cgttggatac ccccgatatg gtcccaagan agagctcaag ttcgnnctcg agtctttctg 180  
 ggatggcaag cgcagcgccg aggatttgca gaaggtgtct tctgatctca gggcatccat 240  
 ctggaagcag atggctgatg ctgggatcaa gtacatcccc agcaacactt tctctcacta 300  
 tgaccagttc tcgacgccac gn 322

<210> 2742  
 <211> 310  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2742

angcacgcgt acgttagctc ggaattcggc tcgagcttgc tccctcagaa gcgaagnaga 60  
 agccacagag aactagtctc ctactctaca cccgcaagaa aaaaatggca tctacacatc 120  
 gttggatacc cccgatggg tcccaagaga gagctcaagt tcgctctcga gtctttctgg 180  
 gatggcaaga gcagcgccga ggatttgag aaggtgtctt ctgatctcag ggcattccatc 240  
 tggaagcaga tggctgatgc tgggatcaag tacatcccca gcaacacttt ctctcatang 300  
 accaggttct 310

<210> 2743  
 <211> 304  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2743

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 cacagagaac tagtcnnct actctcacc cgaagaaana aatngccatc tcanatgcgt 120  
 tggatncccc cgtatgggtc ccaagagaga gctcaagttc gctctcgagt ctttctggga 180  
 tggcaagngc ancgccgagg atttgcagaa ggtgtcttct gatctcaggg catccatctg 240  
 gaagcagatg gctgatgctg ggatcaagta catccccagc aacactttct ntcactatga 300  
 ccag 304

<210> 2744  
 <211> 277

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2744

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 cagagaacca gtctcctact ctctctcacc cacaagaaaa atggcatctc acatcgttgg 120  
 atacccccgc atgggtccca agagagagct caagttcgct ctcgagtctt tctgggatgg 180  
 caagagcagc gccgaggatt tgcagaaggt ggctgctgat ctcaggatcat ccatctggaa 240  
 gcagatggct ggtgctggga tcaagtacat cccagc 277

<210> 2745  
 <211> 288  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2745

gtngcangca cgcgtacgta agctcggaat tcggctcgag ctccctcaga agcgaagaag 60  
 aagccacaga gaactagtct cctactctca cccgcaagan aaaaatggca tctcacatcg 120  
 ttggataccc ccgtatgggt cccaagagng agtcaagtt cgctctcgag tctttctggg 180  
 atggcaagag cagcgccgag gatttgcaga aggtgtcttc tgatctcagg gcatccatct 240  
 ggaagcagat ggctgatgct gggatcaagt acatccccag caacactt 288

<210> 2746  
 <211> 318  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2746

gttgcaangca cgcgtacgta agctcggaat tcggctcgag cagaagcgaa gaagaagcca 60  
 nagagaacta gtctcctacn nttcacccgc aagaaaaaat ggnatctcac atcgttggat 120  
 acncccgat gggtnnccaa gagagngna agttcgnctc cgagtctttc tgggatggca 180  
 agagcagcgc cgaggatttg cagaaggtgt cttctgatct cagggcatcc atctggacgc 240  
 agatggctga tgctgggatc aagtacatnn ncagcaanac tttctctcan tatgaccagg 300

ttctcgacgc naccgcca

318

<210> 2747

<211> 331

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2747

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aacttgctac ctcagaagcg aagaagaagc cacagagaac cagtenccta ctctctctca 120  
cccacaagaa naatgggac tcacatcggt ggataccccc gcatgggtcc caagagagag 180  
ntcnagtctg ctctcgagtc ttctgggat ggcaagnn gcgccgagga ttgcagaag 240  
gtggctgctg atctcaggtc atccatctgg aagccagatg gctgggtgctg ggatcaagta 300  
catccccagc aacactttct cgtttatgnc c 331

<210> 2748

<211> 307

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2748

aatcgacgc aagcgtacgt aagctcgga ttcggtcga gctctgcttc aacttgctcc 60  
ctcagaagcg aagaagaagc cacagagaac cagtctcta ctctctctca cccacaagaa 120  
aatggcatc tcacatcggt ggataccccc gcatgggtcc caagagaagc tcaagttcgc 180  
tctcgagtct ttctgggatg gcaagagcag cgccgaggat ttgcagaagg tggctgctga 240  
tctcaggtca tccatctgga agcagatggc tgggtgctggg atcaagtaca tccccagcaa 300  
catttct 307

<210> 2749

<211> 302

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2749

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gaanaancca cagagaanta gtctnctact ctgcacccgc aanaaaaaaa tggcntctca 120  
catgcgttgg atacccccgt atgggtccca aganagagct caagttcgct ctcgagtctt 180  
tctgggatgg caagagcagc gccgaggatt tgcagaaggt gtcttctgat ctcagggcat 240  
ccatctggaa gcagatggct gatgctggga tcaagtacat cccagcaac actttctctc 300  
an 302

<210> 2750  
<211> 287  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2750

cangcacgcg tacgt nagct cggaattcgg ctcgagnctt gctccctcag aagcgàagaa 60  
gaagccacag agaaccagtc tcctactctc tctcaccac aaganaaatg gcatctcaca 120  
tcgttggata cccccgcatg ggtcccaaga nagagctcaa gtctgctctc gagtncttct 180  
gggatggcaa gagcagcgcc gaggatttgc agaaggtggc tntgatctc aggtcatcca 240  
tctggnagca gatggctggg gctgggatca agtacatccc cagcaac 287

<210> 2751  
<211> 300  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2751

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tcagaagcga agaagaagcc acagaganct ngctctctac tctcaccgc aaganaaaaa 120  
tggcatctca catcgttggg taccgccgta tgggtcccaa ganagagctc aagttcgtctc 180  
tcgagtcttt ctgggatggc aagagcagcg ccgaggnttt gcagaaggtg tcttctgntc 240  
tcagggcatc catctggaag cagatggctg atgctgggat caagtacatc cccagcaaca 300

<210> 2752  
<211> 285  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
 <400> 2752

ncttncaagc acgcgtacgt nagctcggaa ttcggctcgg gctccctcag aagcgaagaa 60  
 gaagccacag agaaccagtc tcctantcnc tctcaccac aagaaaaatg gcattctcaca 120  
 tcgttgata cccccgcatg ggtcccaaga nagagctcaa gtctgctctc gactctttct 180  
 gggatggcaa gaggagcgcc gaggatttgc agaaggtggc tgctgatctc aggtcatcca 240  
 tctggaagca gatggctggg gctgggatca agtacatcnc cagcn 285

<210> 2753  
 <211> 326  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2753

tgctgtaana nanaangtng cgtgcacgcn tacgtaaagc tcgggaattc ggctcgagct 60  
 ggnttcaant tggntcctca naagcgaaga agaagccaca gagaaccagt ctctantnt 120  
 ctntcaccca caagaaaaat ggctctcac atcgttggat acccccgcat ggggtcccaag 180  
 anagagntca agttcgtntt cgagtctttc tgggatggca agancagcgc cgaggatttg 240  
 cagaaggtgg ctgntgatnt caggatcatc atntggaagc agatggctgg tgntgggatc 300  
 aagtacatcc ccagcaanac tttntc 326

<210> 2754  
 <211> 281  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2754

ncgtcgcang cagcgtacg taagctcggg attcggctcg aggtccctc agaagcgaag 60  
 aagaagccac agagaaccag tctctactc tctctaccc acaagaaaaa tggcatctca 120  
 catcgttgga tcccccgca tgggtcccaa gagagagctc aagttcgctc tcgagtcttt 180  
 ctgggatggc aagagcagcg ccgaggattt gcagaaggtg gctgctgac tcaggtcatc 240  
 catctggaag cagatggctg gtgctgggat caagtacatc c 281

<210> 2755  
 <211> 303  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2755

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gtcgcangca cgcgtncgac gantacgtna nctcggnntt nggntccncg ctnacatggg 60
catngnaaac tgtttacgag tgagtntcct angcncancc gcaagaaaaa aatggcatct 120
cacatcgttg gatacccccg natgggttcc caagagagag ctcaagttcg ctctcgagtc 180
tttctgggat ggcaagagca gcgccgagga tttgcagaag gtgtcttctg atctcagggc 240
atccatctgg aagcagatgg ctgatgctgg gatcaagtac atccccagca acatttctct 300
cat 303
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<210> 2756  
 <211> 300  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2756

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cgtcgcacgc acgcgtacgt nagctcggnn ttcggctcgn gcggctcgng gcttcaactt 60
gctccctcag aagcgaagaa gaagccacag agaactagtc tccaaacctc acccgcaaga 120
naaaaatggc atctcacatc gttggatacc cccgtatggg tcccaagaga gagctcaagt 180
tcgctctcga gtctttcttg gatggcaaga gcagcgccga ggatttgcag aaggtgtctt 240
ctgatctcag ggcattccatc tggaagcaga tggctgatgc tgggatcaag tacatcccca 300
```

<210> 2757  
 <211> 299  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2757

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tngcangcac gcgtacgtaa gctcggaatt cggctcgagc tgcttcaact tgctccctca 60
gaagcgaaga agaagcnaca gaggnccagt ctctactct ctctcaccca caagaaaaat 120
ggcatctcac atcgttgat acccccgcat gggcccaag agagagctca agttcgctct 180
```

cgagtctttc tgggatggcn ngagcagcgc cgaggatntg cagaaggtgg ctntctgatct 240  
caggncatcc atctggaagc aganggctgg tgcngggatc aagtacatcc ncagcnacn 299

<210> 2758  
<211> 310  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 2758

tnncatgcac gcgtacgtaa gctcggaatt cggctcgagg ctccctcnga agcgaagaag 60  
aagccacaga gaactagtcn nctantctca cccgcaagaa naaaatgngc atcttcacat 120  
ncgttgata cccccgtatg ggtcccaaga gaganctcaa gttcgctctc gagtctttct 180  
gggatggcaa gagcagcncc gaggatttgc agaaggtgtc ttctgatctc agggcatcca 240  
tctggaagca gatggctgat gctgggatca agtacatccc cagcaacact ttctncgcan 300  
tntgaccagg 310

<210> 2759  
<211> 318  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 2759

acgcatgnag cgtacgnag ctcggnattc ggctcgagct gtttcaactt nctccctcag 60  
aagcgaagaa gaagccacag agaactantc tctactctc acccgacta aaanaatggc 120  
atctcacatc gttggatacc cccgtatngg ncccaagana gagctcaagt tcgctctcga 180  
gtctttctgg gatngcnnga ncagngccgn ggatttgcan caggtgtctt ctgatctcan 240  
ggcatccatc tggnnacaga tggctgntgc tgggatcaag tncatccnca ncaacacttt 300  
ctctcactag nncaggtt 318

<210> 2760  
<211> 293  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations



<400> 2760

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aagcgaagna gaagccacag agnactagtc tcctacttct caccgcgnag anaaanntgg 120  
catctcacat cgttggatac ccccgatatg gtcccaagag agagctcaag tncnctctcn 180  
agtctttctg ggatggcnag agcagcgccg aggatttgca gaagggtgtct nctnatctca 240  
gggcatccat ctggaagcng atggctgatg ctgggatcaa gtacatcccc agc 293

<210> 2761

<211> 302

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2761

ngntcangca cncgtacgtn agctcggaat tcnnctcgan gctccctcag aagcgaagaa 60  
nnagccacag agaactngnc tcctactctc acccgcaaga aaaaaatggc acctcanntc 120  
gttggatacc cccgtatgng tcccaagagg gagctcaagt tcgctctcga gtcttctggg 180  
atggcaagag cagcgccgag gatttgcaga aggtgtcttc tgatctcagg ggcattccatc 240  
tggaagcaga tggctgatgc tgggatcaag tacatcccca gcancacttt ctctcactat 300  
gn 302

<210> 2762

<211> 311

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2762

gatgctngca cgcgtacgtn agctcggaat tnggctcgag cagagaacta gtctcctact 60  
ctcaccgcga agaaaaaaat ngnatctcac atcgttggat acccccgat ggggtcccaag 120  
agagagcnca agttcgctct cgagttcttt ctnggatggc aagngcagct ccgaggattt 180  
gcagaaggtg tcnnntgate tcagggcntc catctggaag cagatggctg atgctgggat 240  
caagtacatc ccngcaaca ntttctcnna ctctgacaa ggttctcgac gcnaccgcga 300  
accctcgggtg n 311

<210> 2763  
<211> 298  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 2763

cncgtacgta agctcgggaat tcggctcgag cnaagaanaa gccacagcag anccagtctc 60  
ctantctctc tcanccacaa nanaaatngc atcncacatc gtnggatacc cccgcatggn 120  
tacccaanag agagnncaag ttacgtctctc gagtctttct gggatggcaa gagcagcgcc 180  
gaggatttgc agaaggtggc tgctgntctc aggtcatccn tctggaagca gatggctggt 240  
gctgggatca agtacatccc cancaacact ttctcgttct atgaccagct gctcgacg 298

<210> 2764  
<211> 300  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 2764

tcnangcacg cgtacgtnaa gctcgggaatt tcggaattcg gctcgagact tgctccctca 60  
gaagcgaaga agaagccaca gagaaccagt ctctactct ctctcaccca caagaaaaat 120  
ggnatctcac atcgttggat acccccgcat gggncccaag agagagctcn agttcgntct 180  
cgagtctttc tgggatggna anagcancgn cgangntttg canaangngg ctgctggtct 240  
cangncatcc atctggaanc ngatggctgg tgctgggatc nagtacatcc ccagcaacac 300

<210> 2765  
<211> 330  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 2765

gtcgcacgca cgcgtacgta agctcgggaat tcggctcgag gcttcaactt gctccctcag 60  
aagcgaagaa gaagccacag agaactagtc tccttacttc tcaccgcga ganaaaaatg 120  
ggcatctcac atcgttggat acccccgat gggcccaag anagagctca agttcgctct 180  
cgagtctttc tgggatggca agagcagcgc cgaggatttg cagaaggtgt cttctgatct 240

cagggcatcc atctggaagc agatggctga tgctgggata aatacatccc cagcaacatt 300  
tctctcatat gaccagttct cggacgccac 330

<210> 2766  
<211> 308  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 2766

ttgangcacg cgtacgttag ctggaattc ggctcgagct tcaacttgct ccctcagang 60  
cgaagaagan gccacagaga acnagtctcc tactctcacc cgcaaganaa aaatggcatc 120  
tccacatcgt tggatacccc cgtatgggtn cccaaganag agctcaagtt cgctctcgag 180  
tctttctggg atggcaagag cagcgccgag gatttgcaga aggtgtcttc tgatctcagg 240  
gcatccatct ggaagcagat ggctgatgct gngantcaag tacatcccca gcaacacttt 300  
ctctcact 308

<210> 2767  
<211> 309  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 2767

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gaagccacag agaaccagtc tcctactctc tctcaccac aanaaaaatg gcatctcaca 120  
tcgttgata cccccgcatg ggtcccaaga gagagctcaa gtctgctctc gagtctttct 180  
gggatggcaa gagcagcgcc gaggatttgc agaaggtggc tgctgatctc aggttcatcc 240  
atctggaagc agatggctgg tgctggggat caagtacatc ccagcaaca cttctcgttc 300  
tatgaccag 309

<210> 2768  
<211> 247  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 2768

ctanaactnn acnccctcag aagcgaagaa gaagccacag agaactagtc tcctactctc 60  
acccgcaaga naaaaatggc atctcacatc gttggatacc cccgtatggg tccaagaga 120  
gagctcaagt tcgtctcgag tcttinctggg atggcaagag cagcgccgag gatttgaga 180  
aggtgtcttc tgatctcagg gcatccatct ggaagcagat ggctgangct gggntcaagt 240  
acatccc 247

<210> 2769

<211> 248

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2769

gcacgcgtac gtaagctcgg aattcggctc gagctccctc agaagcgaag aanaagccac 60  
agagaactag tctnctactc tcannccgca agaaaaaaat ggcatctcac atcgttggat 120  
acccccgtat ggggtcccaag agagagctca agttcgctct cgagtctttc tgggatggca 180  
agagcagcgc cgaggatttg cagaagggtg cttctgatct cagggcatcc atctggaagc 240  
agatggct 248

<210> 2770

<211> 284

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2770

ncgttgcan gacgcgtacg tnagctcgga attnngctcg agtctgcttc aacttgctcc 60  
ctcagaancg aagaagaagc cacagaganc tagtctccta ctctacccg caagaaaaaa 120  
atggcatctc acatcgttgg ntacccccgt atgggtccca agaganagct caagttcgct 180  
ctcgagtctt tctgggatgg cnagngcagc gccgaggatt tgcagaaggt gtcttctgat 240  
ctcagggcat ccatctggaa gcagatggct gangctggga tcan 284

<210> 2771

<211> 329

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2771

anaancaatg caccgtacnt aantcggntc natgncgagc ngaattcggc tcgagctctg 60  
cttcaacttg ctcccatnga agcgaanaag aagccacaga nnactantct cctantctca 120  
cncgcaagan aanaatggca nctcacatgc gttggatacc ccntatggg tccaagaga 180  
gagctcaagt tcgctctcga gtctttctgg gatngcaaga gnagcgccga ggatttgcn 240  
aaggngtctt ctgatctcag ggcatccatc tggnagcana tggctgatgc tnggancaag 300  
tacatcccca gcaacatttc tctcatagn 329

<210> 2772

<211> 302

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2772

tgncgcntac ntaagnncgg aattcggctc gnggcgaaga agaagccaca gagaaccagt 60  
ctcctactct ctctcaccca caagaaaaat ggcatctcac atgcgttgga taccctcgca 120  
tggttaccga agagagagct caagtctgct ctcgagtctt tctgggatgg caagagcagc 180  
gccgaggatt tgcagaaggt ggctgctgat ctcaggtcat ccatnctgga agcagatggc 240  
tggtgctggg atcaagtaca tcccnagcaa cacttctcgn tctatgacca gctgcnnacg 300  
cc 302

<210> 2773

<211> 281

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2773

gcacgcgtac gtaagctcgg aattcggctc ganctcgagc cgattcggct cgagttgctc 60  
cctcagaagc gaagaaacng ccacagagaa ccagtctcct actctctctc aaccacaaga 120  
aaaatggcat ctcacatcgt tggatacccc cgcattgggtc ccaaggagag ctcaagttcg 180  
ctctcgagtc tttctgggat ggcaagagca gcgccgagga tttgcagaag gtggctgctg 240

atctcaggtc atccatctgg aagcagatgg ctggtgctgg g 281

<210> 2774  
 <211> 286  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2774

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctctgcttca acttgctccc 60  
 tcagaagcga agaagaagcc acagagaact agtctcctac tctcaccgcg aagaaaaaaa 120  
 tggcatctca catcgttgga taccctcgta tgggtcccaa gagagagnnc aagttcgctc 180  
 tcgagtcttt ctgggatggc aagagcagcg ccgaggattt gcagaagggtg tcttctgatc 240  
 tcagggcacc atctggaagc agatggctga tgctgggatc aagtac 286

<210> 2775  
 <211> 310  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2775

cnngcacnc gtacgtaagc tcggaattcg gctcgagctt gctccctcag angcgaagaa 60  
 gaagccacag agaantagtc tctactctc acccgccaag anaaaaatgg cattctcaca 120  
 tccgttgat accctcgat ggggtcccaag agagagctca agttcgctct cgagtcttct 180  
 gggatggcaa gnnacgcgc gaggatattgc agaagggtgc tctgatctca gggcatccat 240  
 ctggaagcag atggctgatg ctgggatcaa gtacatcccc agcaacattt ctctcatatg 300  
 accaggttct 310

<210> 2776  
 <211> 299  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2776

tngcangcac gcgtacgtaa gctcngaatt cngcnccgag ctctgcttca acttgctccc 60

tcagaancga agaagaagcn acagagaact agtctcctac tctccacccg caagaaaaaa 120  
atggcatctc acatcggttg atacccccgt atgggtccca agagagagct acaagttcgc 180  
tctcgagtct ttctgggatg gcaagagcag cgccgaggat ttgcagaagg tgtcttctga 240  
nctnagggca tccatctgga agcagatggc nnatgctggg atcattacat cccagcaa 299

<210> 2777  
<211> 253  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2777

cttgctcnnt naganncgaa gaagaagcca cagaggacta gtctnctac tgctcaccgc 60  
caagaaaaaa atggcatctc anacccgttg gatacccccg tatgggtcnc aanagagagc 120  
tcaagttngc tgctcgagtc tttctgggat ggcaatagca gngccganga tttgcagaag 180  
gtgtcttctg atctcagggc atccatctgg aatcagatgg ctgatgcngg gatcaagtnc 240  
atccccagca aca 253

<210> 2778  
<211> 288  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2778

gcaaangcac gcgagacgta anctcggaat tcggctcgag naacttgntc cctcagnagc 60  
gaagaagaag cnacananaa ctagtctcct acncncaacc gnaagaaaaa natggcatct 120  
cacatcggtg gatacccccg tatnggtngc aanagagagc tcaagttcgc tctcgagtct 180  
tnctgngatg gnaagannag cgccgaggat ttgcagaagg tgtcttctga tctcagggca 240  
tccatctgga agcagatggc tangctggga tcaagtacat cccangca 288

<210> 2779  
<211> 320  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2779

aaatnctana agtcgcangc acgcgnacgt aanctcggaa ntcggctcga gnaacttgct 60  
 ccctcagaag cgaagaagaa gccacanaga actagtctcc tactgctcac ccgcnagaaa 120  
 aaaatggcat ctncacatnc gttggatanc cccgnatgng ngcccaagan agagctcaag 180  
 ttcgctctcg agtctttctg ggatggcagn agcagcgccg aggatttgca gaaggtgtct 240  
 tcnganctca gggcatccat ctngaagcag atngctgatg ctgggatcaa gnacatctcc 300  
 aggaacactt tctctnactn 320

<210> 2780  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2780

ctgcntcaac ttgctccctg caganncgaa ncaagaagcc acagagnact agtctnccta 60  
 ctctcaccgc caananaaaa atggcatctc acatncgttg gatancccg tatgggtccc 120  
 aaganagagn tcaagttcgc tctcgagtct ttctgggatg gnaagagcag cgccgaggat 180  
 ttgcagaagg tgtnttctga tctcagggna tncatctgga agnagatggc tgatgntggg 240  
 ntcaagtac 249

<210> 2781  
 <211> 300  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2781

acggcacang nacgtaanct cggaattcgg ctcgagcann cttgctccct cagaagcgaa 60  
 gaagaagcca cagagaacta gtctcctact nctcaccgc aagaaaaaa tggcatctca 120  
 catacgntgg atacccccgn atgggtccca agagagagct caagtctgct ctcgagtctt 180  
 tctgggatgg caagagcagc gccgaggatt tgcagaaggt gtctcngatc tcagggcatc 240  
 catctggaag cagatggctg atgctgggat nagtacannc ccagcaacat ttctctcata 300

<210> 2782  
 <211> 262



<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2782

gtcgcangca cgcgtaacgt naagctncgg taattcggcn cgaggccaca gagaactagt 60  
 ctncctactc tcnnccgcaa gaaaaaaatg gcatctcaca tcgttggata cccccgtatg 120  
 ggtcccaaga gagagctcaa gttcgctctc gantctttct gggatggcaa gagcagcgcc 180  
 gaggatttgc agaagggtgtc tctgatctca gggcatccat ctggaagcag atgctgatgt 240  
 ggtcaagnac tcccgcacan tt 262

<210> 2783  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <400> 2783

tcgcatgcac gcgtacgtaa gctcggaatt cggctcgagc aacttgctcc ctcagaagcg 60  
 aagaagaagc cacagagaac cagtctccta ctctctctac acccacaaga aaaatggcat 120  
 ctcacatcgt tggatacccc cgcattgggtc ccaagagaga gctcaagttc gctctcgagt 180  
 ctttctggga tggcaagagc agcgccgagg atttgcagaa ggtggctgct gatctcaggt 240  
 ca 242

<210> 2784  
 <211> 308  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2784

ncgcntgcac gcgtacgtaa gctcggaatt cggctcgaga acttgctccc tcagaagcga 60  
 agaagaagcc acagagaact agtctcctac tcttcacccg caagaaaaaa atggcatctc 120  
 acatcgttgg atacccccgt atgggtccca agagagagct caagttcgct ctcgagtctt 180  
 tctgggatgg caagagcagc gccgaggatt tgcagaaggt gtcttctgat ctcagggcat 240  
 ccatctgnan canatggctg atncngggnt ncagtacatc cccagcaaca tttcttctca 300  
 tatgacca 308

<210> 2785  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2785

cttgctccct ccagaagacg aagaagaagc cacagagaat agttctccta ctctncaccc 60  
 gnaaganaaa acatggcatc tcacatcggt ggataccccc gtatgggtcc caagagagag 120  
 ctcaagttcg ctctcgagtc tttctgggat ggcaagagca gngccgagga tttgcagaag 180  
 gtgtctctga tctcagggca tcccatctgg nagcagatgg ctgatgtggg atnngtacat 240  
 cccagcaaca tttctcncat cngacangtt ctcgacg 277

<210> 2786  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2786

tatnaacttg ctcnntcaga ncgcgaagaa gaagncacag agaancnagt ctctantnc 60  
 tcacccgnaa gnnaaaaatg ggcatnctcn catcgttgga taacccccgt atgggtncca 120  
 agagagagct caagttcgnt ctncagtctt tctgggatgg caagagcagc gncngaggat 180  
 ttgcagaagg tgtcttctga tctcaggnca tccatctgga agcagatggc tgntgntggg 240  
 atcagtacat cccnagcaac acttctctca ctatgaccag 280

<210> 2787  
 <211> 298  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2787

gcacncgtac gtaagctcgg aattcggctc gagcttgctc cctcanaagc gaagnagaag 60  
 ccacananaa ccagtctcct actctctctc acccacaaga naaatgggnat ctacatcggt 120  
 tggntacccc cgcattgggtt cccaaganag agtcaagtt cgctctcgag tctttctggg 180

ntggcnagag cagcgccgag gatttgaga aggtggctgc tgatctcagg tcatccaatc 240  
 tggaancaag attgccngat cggggatcaa gctccatncc cagcaacann tttttgct 298

<210> 2788  
 <211> 151  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2788

gtcgcangca ntgtacgtaa gctcggaatt cggctcgaga tctggaagca gatggctgat 60  
 gctgggatca agtacatccc cagcaacact ttctctcact atgaccagggt tctcgacgcc 120  
 accgccaccc tcggtgccgt tccaccaagg t 151

<210> 2789  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2789

gcaogcgtag gtaagctcgg aattcggctc gagcttcaac ttgctccctc agaagcgaag 60  
 aagaagccac agagnactag tctctactct tcacccgcaa naaaaaaatg ggcatctcac 120  
 attcgttgga taccgccgta tgggtcccaa gagagagctc aagttcgctc tcgagtcttc 180  
 naggatggca agagcagcgc cgaggatttg cagaagggtgt cttctgatct cagg 234

<210> 2790  
 <211> 138  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2790

gnagaagaag ccacagagaa ctagtctcct actctcaccg gcaagaaaaa aatggcatct 60  
 cacatcnttg gatacccccg tatgggtccc aagagagagc tcaagttcgc tctcgagtct 120  
 ttctgggatg gcaagagt 138

<210> 2791  
 <211> 152

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 2791

acacgcgtac gtaaagctnc ggaattcngc tcgagctgga agcagatggc tgatgctggg 60  
atcaagtaca tccccagcaa cactttctnn tnactatgac caggttctcg acgccacccg 120  
ccaccctcgg tgccgttcca cncangnnag gn 152

<210> 2792  
<211> 501  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 2792

gtttgatctc cgtggnccta tataaagaga tatgangtcg nntccacgcg tangtaanac 60  
tcggaattcg gctcgagcaa cnttccaatc cttccaacca ccactantgg atccttcnct 120  
canacngtag aactgaggag ggtacgccgt gagttcaagg ctaacatgat ctccgaggaa 180  
gagtatgtta agtcaattaa ggaggaaatt cncaaagttg ttgaacttca anaagagctt 240  
gatattgatg ttcttgttca tggagaacca gagagaaatg atatggttga gtacntcggg 300  
gagcaattgt caggctttgc cttcactgtt aatgggtggg tgcaatccta tggttcccgt 360  
tgtgtgaagc cacnaatcat ctatggtgat gtgagccgcc caaagccaat gactgtcttc 420  
tggtcancctc tggctcagan ctttaccag cgccnaatga agggaatgct taccgggtccg 480  
gttaccaatc ccaactgggn c 501

<210> 2793  
<211> 412  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 2793

gagaagacga cagaaggggg ctaaggcatt gtctggcaac aaggatgtgg ccttcttctc 60  
tgctaattgct gcanctcang cttcaaggaa gtcctctcca anagtgacca acnaggctgt 120  
tcagaaggct gctgctgcat tgaagggttc agatcatcnc cgtgcaacaa atgtcagtgc 180

cagactggat gctcaacaaa anaagctcaa ccttccaatc cttccaacca ccactattgg 240  
atccttccct cagactgtan aactgaggag ggtacgccgt gagttcaagg ctaacaagat 300  
ctccgaggaa gagtatgtta agtcaattaa ggaggaaatt cgcaaagttg ttgaacttca 360  
agaagagctt gatattgatg ttcttgttca tgganaacca anaganaaat ta 412

<210> 2794  
<211> 350  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2794

cacactgctg ttgatcttgt taacgagacc aagttggatg acgagatcaa gtcattggcta 60  
gcatttgctg cacaaaaaat tgttgaagtt aacgcattgg ctaaggcatt gtctggcaac 120  
aaggatgtgg ccttcttctc tgctaattgct gcagctcagg cttcaaggaa gtcctctcca 180  
agagtgacca acgaggctgt tcagaaggct gctgctgcat tgaagggttc agatcatcgn 240  
cgtgcaacaa atgtcagtgc cagactggat gctcaacaaa agaagctcaa ccttccatcc 300  
ttccaaccac cactattgga tccttccctc agactgtaga actgaggagg 350

<210> 2795  
<211> 454  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2795

ccacgcgtcc ggatcatcgc cgtgcaacaa atgtcagtgc cagactggat gctcaacaaa 60  
agaagctcaa ngttccngtc cttccaacca ccactattgg atccttccct cagactgtag 120  
aactgangag ggtacgccgt gagttcaagg ctaacaagat ctccgaggaa gagtatgtta 180  
agtcaattaa ggaggaaatt cgcaaagttg ttgaacttca anaagagctt gatattgatg 240  
ttcttgttca tggagaacca gagagaaatg atntgggtga gtacttcggt gagcaattgt 300  
caggctttgc cttcactgtt aatgggtggg tgcaatctat ggggtcccgtt gtgtgaaagc 360  
caccaattca tctatgggtg aatgtgnaaa nncgtccaa aagccaatga ctgtcttctg 420  
gtcatctntg gcttaaangc ttaccaaag cgct 454

<210> 2796  
 <211> 446  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 2796

```

cgaggctggt cagaaggctg ctgctgcatt gaagggttcn gatcatcgcc gtgcaacaaa 60
tgtcagtgcc agactggatt ctcaacaaaa gaagctcaac cttccaatcc tgccaaccac 120
cactattgga tccttccctc agactgtaga actgaggagg gtacgccgtg aattcaaggc 180
taacaagatc tccgaggaag agtatgtaaa gtcaattaag gaggaaattc gcaaagttgt 240
tgagcttcaa gaagagcttg atattgatgt tcttgggtcat ggagaaccag agagaaatga 300
tatggttgag tactttcggg gaacaattgt caagctttgg cntnaccggt aatgggtngg 360
tgcaatccta tggttcccggt tcgtgaaanc cccgatcatt tatgggaatg ttagccgccc 420
aaagccatga ccgntttttg gtattt                                     446
  
```

<210> 2797  
 <211> 489  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 2797

```

ttctctgccc gttcngtacn nntctccnaa ttcgcnngcc gacccacgcn tccggcagat 60
ctgagaccac ctaccagatt gctttgtcta tcaaggacga agtggaagac cttgaaaagg 120
ctggcatcac tgttatccaa attgatgaag ctgctttgag agagggtctt ccactgagga 180
aatcagagca agctcactac ttggactggg ctgtccatgc cttcagaatc accaatgttg 240
gtgtccagga taccaccacg gtacactctt ttggatcatc gcaaatcact gaattagaaa 300
ttttttttgt tcacctctcat tttcacatat gttgtaataa tcaacttttc gtattgacag 360
atccacactc acatgtgcta ctggaacttc aacgacatca tccactccat catcgacatg 420
gacgccgatg ttatcaccat tgagaaatct cgccccgacg anaancttcc gtcagtcctc 480
cgcgaangg                                     489
  
```

<210> 2798

<211> 340  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 2798

```

tcgcangcnc gcgtacgtaa gctcggaatt cggctcgagg ntcaagtcac ggctagcttt 60
tgctgcccac aaaattgttg aagttaacgc attggctaaa gcattgtctg gccacaagga 120
tgangccttc ttctctggta atgctgctgc tctggcttca aggaagtctt ctccaagagt 180
gaccaacgag gctgttcaga aggctgctgc tgcattgaag gggtcagatc atcgccgtgc 240
aanaaatgtc agtgccagac tggattctca acaaaagaag ctcaaccttc caatcctgcc 300
aaccaccact attggatcct tccctcagac tgtagaactg 340
  
```

<210> 2799  
 <211> 317  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 2799

```

gtcgcangcc agcgtacgta agctcggaat tcggctcgag aaatgatatg gttgagtact 60
tcggtgagca attgtcaggc ttgctcttca ctgttaatgg gtgggtgcaa tcctatgggt 120
cccgttgtgt gaagccacca atcatctatg gtgatgtgag ccgcccacaa ccaatgactg 180
tcttctggtc atctctggct cagagcttta ccaagcgccc aatgaaggga atgcttaccg 240
gtcctgttac cattctcaac tggctccttg ttagaaatga ccaacctaga tctgagacca 300
cctaccagat tgctttg 317
  
```

<210> 2800  
 <211> 317  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 2800

```

gtcgcngcac gcgtacgtaa gctcggaatt cggctcgaga cgaagtggag gaccttgaaa 60
aggctggcat cactgttatc caaattgatg aagctgcttt gagagagggt ctgccactga 120
ggaaatcaga acaagctcac tacttggact gggctgtcca tgccttcaga atcaccaatg 180
  
```

ttggtgtgca ggataccact cagatccaca cccacatgtg ctactccaac ttcaacgaca 240  
 tcatccactc catcatcgac atggacgctg atgttatcac cattgagaac tctcgctccg 300  
 atgagaagct cctgtca 317

<210> 2801  
 <211> 337  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2801

cnngtcgcan gcacgcntac gtaagctcgg aattcggctc gaggccacca atcatctatg 60  
 gtgatgtgag ccgccccaaag ccaatgactg tcttctggct atctctggct cagagcttta 120  
 ccaagcnccc aatgaaggga atgcttaccg gtctgtttac cattctcaac tggtcctttg 180  
 ttagaaatga ccaacctaga tctgagacca cctaccagat tgctttggct atcaaggacg 240  
 aagtggagga ccttgaaaag gctggcatca ctgttatcca aattgatgaa gctgctttga 300  
 gagaggggtct gccactgagg aaatcagaac aagctcn 337

<210> 2802  
 <211> 329  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2802

cangcacgcy tacgtaagct cggaattcgg ctcgagntgc tgcattgaag gggtcagatc 60  
 atcgccgtgc aacaaatgtc agtgccagac tggatgctca acaaaagaag ctcaaccttc 120  
 caatccttcc aaccaccact attggatcct tccctcagac tgtagaactg aggagggtag 180  
 gccgtgagtt caaggctaac aagatctccg aggaagagta tgtaagtca attaaggagg 240  
 aaattcgcaa agttgttgaa cttcaagaag agcttgatat tgatgttctt gttcatggag 300  
 aaccagagag aaatgatatg gttgagtac 329

<210> 2803  
 <211> 314  
 <212> DNA  
 <213> Glycine max



<223>        unsure at all n locations  
<400>        2803

```
tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagc tgaggaaatc agagcaagct   60
cactacttgg actgggctgt ccatgccttc agaatcacca atgttggtgt ccaggatacc  120
acccagatcc aactcacat gtgctactcg aacttcaacg acatcatcca ctccatcatc  180
gacatggacg ccgatgttat caccattgag aactctcgct ccgacgagaa gcttctgtca  240
gtcttccgcg aaggtgtgaa gtatggtgct ggaattggcc ctggtgtcta tgacatccac  300
tccccaagaa tacc                                                         314
```

<210>        2804  
<211>        328  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        2804

```
ctcangcacg cntacgtaan ctcggaattc ggctcgagng tacgccgtga attcaaggct   60
aacaagatct ccgaggaaga gtatgtaaag tcaattaagg aggaaattcg caaagttggt  120
gagcttcaag aagagcttga tattgatgtt cttgttcatg gagaaccaga gagaaatgat  180
atggttgagt acttcggtga acaattgtca ggctttgcct tcaccgttaa tgggtgggtg  240
caatcctatg gttcccgttg cgtgaagcca ccgatcatct atggtgatgt gagccgccca  300
aagccaatga ccgtcttctg gtcattctc                                     328
```

<210>        2805  
<211>        323  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        2805

```
ngtcgcangc acgcgtacgt aagctcgga ttcggctcga gggcattgtc tggcaacaag   60
gatgtggcct tcttctctgc taatgctgca gtcaggctt caaggaagtc ctctccaaga  120
gtgaccaacg aggctgttca gaaggctgct gctgcattga agggttcaga tcatcgccgt  180
gcaacaaatg tcagtgccag actggatgct caacaaaaga agctcaacct tccaatcctt  240
```

ccaaccacca ctattggatc cttccctcag actntagaac tgaggagggt acgccgtgag 300  
 ttcaaggcta acaagatctc cga 323

<210> 2806  
 <211> 312  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2806

ngnncgcatg cacgcgtacg tnagctcgga attcggtcgc agatatggtt gagtacttcg 60  
 gtgagcaatt gtnaggcttt gccttcactg ttaatgggtg ggtgcnatcc tatggttccc 120  
 gttgtgtgaa gccaccaatc atctatggtg atgtgagccg cccaaagcca atgactgtct 180  
 tctggtcacg tctggctcag agctttacca agcgcccaat gaagggaatg cttaccggtc 240  
 ctgttaccat tctcaactgg tcctttgtta ganatgacca acctagatct gagaccacct 300  
 accagattgc tt 312

<210> 2807  
 <211> 295  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2807

canngacgcg tacgtnagct cggaattcgc ctcgaggaaa tgatatggtt gagtacttcg 60  
 gtgagcaatt gtcaggcttt gccttcactg ttaatgggtg ggtgcaatcc tatggttccc 120  
 gttgtgtgaa gccaccaatc atctatggtg atgtgagccg cccaaagcca atgactgtct 180  
 tctggtcacg tctggctcag agctttacca agcgcccaat gaagggaatg cttaccggtc 240  
 ctgttaccat tctcaactgg tcctttgtta gaaatgacca acctagatct gagac 295

<210> 2808  
 <211> 307  
 <212> DNA  
 <213> Glycine max

<400> 2808

gtcgcacgca cgcgtacgta agctcggaat tcggctcgag ggactgggct gtccatgcct 60

tcagaatcac caatgttggt gtccaggata ccacccagat ccacactcac atgtgctact 120  
cgaacttcaa cgacatcatc cactccatca tcgacatgga cgccgatggt atcaccattg 180  
agaactctcg ctccgacgag aagcttctgt cagtcttccg cgaagggtgtg aagtatggtg 240  
ctggaattgg ccttggtgtc tatgacatcc actccccaag aataccacca actgaagaaa 300  
ttgctga 307

<210> 2809  
<211> 314  
<212> DNA  
<213> Glycine max

<400> 2809

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aagaagagct tgatattgat gttcttggtc atggagaacc agagagaaat gatatggttg 120  
agtacttcgg tgaacaattg tcaggctttg cttcaccgt taatgggtgg gtgcaatcct 180  
atggttcccg ttgcgtgaag ccaccgatca tctatggtga tgtgagccgc ccaaagccaa 240  
tgaccgtctt ctggctcatc ctggctcaga gctttaccaa gcgcccaatg aagggaatgc 300  
ttaccggtcc tggt 314

<210> 2810  
<211> 306  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 2810

agnccangc naggctacgt aagctcggga attcggctcg agggagggtg cgccgtgagt 60  
tcaaggctaa caagatctcc gaggaagagt atgttaagtc aattaaggag gaaattcgca 120  
aagttgttga acttcaagaa gagcttgata ttgatgttct tgttcatgga gaaccagaga 180  
gaaatgatat ggttgagtac ttcggtgagc aattgtcagg ctttgccttc actgttaatg 240  
ggtgggtgca atcctatggt tcccgttgtg tgaagccacc aatcatctat ggtgatgtga 300  
gccgcc 306

<210> 2811  
<211> 310

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2811

acnacgcang cacgcgtacg taagctcggg attcggctcg agctccatca tcgacatgga 60  
 cgctgatgtt atcaccattg agaactctcg ctccgatgag aagctcctgt cagtcttccg 120  
 tgaagggtgtg aagtatggtg ctggaattgg ccctgggtgtc tatgacatcc actccccaag 180  
 aataccacca actgaagaaa tcgctgacag aatcaataag atgcttgacg tgctcgagaa 240  
 gaacatcttg tgggtcaacc ctgactgtgg tctcaagacc cgcaagtaca ctgaagtga 300  
 gccagccctc 310

<210> 2812  
 <211> 353  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2812

nnnnnnnaaaa gtcgggaagt cgcangcacg cgtacgtaag ctcggaattc ggctcgnanc 60  
 tcgagccgaa tcggctcgag ccagattgct ttggctatca aggaagnagt ggaggacctt 120  
 acnaaggctg gcatcactgt actccaaatt gatgaagctg ctttgagaga gggctctgcc 180  
 ctgaggaaat cagaacaagc tcactacttg gactgggctg tccatgcctt cagaatcacc 240  
 aatgttggtg tgcaggatac cactcagatc cacaccaca tgtgctactc caacttcaac 300  
 gacatcatcc actccatcat cgacatggac gctgatgtta tcaccattga gat 353

<210> 2813  
 <211> 297  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2813

ctcnnccggt tacgtaagct cgggaattcg gctcgaggct gctttgagag agggctctgcc 60  
 actgaggaaa tcagaacaag ctactactt ggactgggct gtccatgcct tcagaatcac 120  
 caatgttggt gtgcaggata ccactcagat ccacaccac atgtgctact ccaacttcaa 180

cgacatcatc cactccatca tcgacatgga cgctgatgtt atcaccattg agaactctcg 240  
ctccgatgag aagctcctgt cagtcttccg tgaagggtgtg aagtatggtg ctggaat 297

<210> 2814  
<211> 551  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2814

gnnngagagg tttntgntan gggggaaggg ggggnanatn ntagaanngc tatgacgtcg 60  
catgcacgcg tacgtaagct cggaattcgg ctcgagtgga cgctgatgtt atcaccattg 120  
agaactctcg ctccgatgag aagctcctgg tcagtcttcc gtgaagggtg gaagtatggt 180  
gctggaattg gccctggtgt ctatgacatc cactcccaa gaataccacc aactgaagaa 240  
atcgctgaca gaatcaataa gatgcttgca gtgctcgaga agaacatctt gtgggtcaac 300  
cctgactgtg gtctcaagac ccgcaagtac actgaagtga agccagccct cacaacatg 360  
gttgccgcag caaaactcat ccgtaacgaa cttgccaaagt gaatggtata aagaaagtag 420  
aatctacaag ttcattggtt ctgcttttat tataccncca aggaaaaatt ttctatantn 480  
gggtggttca aataaccggt gtggaatatt tanaggttta acatgctctg tgagcaattg 540  
atctttctca c 551

<210> 2815  
<211> 336  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2815

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tcatcgccgt gcaacaaatg tcagtgccag actggattct caacaaaaga agctcaacct 120  
tccaatcctg ccaaccacca ctattggatc cttccctcag actgtagaac tgaggagggg 180  
acgccgtgaa ttcaaggcta acaagatctc cgaggaagag tatgtaaagt caattaagga 240  
ggaaattcgc aaagttgttg agcttcaaga agagcttgat attgatgttc ttgttcatgg 300  
agaaccagag agaaatgata tggttgagta cttcgg 336

<210> 2816  
 <211> 313  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2816

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gactcgaact tcaacgacat 60  
 catccactcc atcatcgaca tggacgccga tggtatcacc attgagaact ctgctccga 120  
 cgagaagctt ctgtcagtct tccgcgaagg tgtgaagtat ggtgctggaa ttggccctgg 180  
 tgtctatgac atccactccc caagaatacc accaactgaa gaaattgctg acagaatcaa 240  
 caagatgctg gcagtgtctg agangaacat cttgtgggnt gaacctgact gtgggctcaa 300  
 gacccgtaaa gtn 313

<210> 2817  
 <211> 304  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2817

gtcgcangca cgcgtacgta agctcggaa tccgctcgag ngctgctttg agagagggtc 60  
 ttccactgag gaaatcagag caagctcact acttggaactg ggctgtccat gccttcagaa 120  
 tcaccaatgt tgggtgccag gataccaccc agatccacac tcacatgtgc tactcgaact 180  
 tcaacgacat catccactcc atcatcgaca tggacgccga tggtatcacc attgagaact 240  
 ctgctccga cgagaagctt ctgtcagtct tccgcgaagg tgtgaagtat ggtgctggaa 300  
 ttgg 304

<210> 2818  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2818

ccacgcgtcc gaagagagaa atgatatggn tnggtttttt ngagaacaat ngnnangctt 60  
 tgcttgnac cgntaatggn tggntgcaga tcctatgggt nccgntgcgt gaagccaccg 120

atcatctatg gtgatgtgag ccgnccaaag ccaatgaccg tcttctggtc atctctggct 180  
cagagcttta ccaagcgccc aatgaaggga atgcttaccg gtctgtttac cattctcaac 240  
tggtcctttg ttagaaatga ccaacctaga tctgagacca cctaccagat tgctttgtct 300  
atcaaggacn aantggaaga ccttgaaaag ggctggcatc actgntatcc aaattgatga 360  
aactgctttg agagaagggt ctttcnactt gaggaaatca anaancaagc tcactacttt 420  
gnacctgggn ttgtccat 438

<210> 2819  
<211> 321  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2819

nattacancn tnagtcgcat gcacgcgtac gtaagctcgg aattcggctc gaggcaaaga 60  
taagcttggt gtgtccacct cctcctccct tcttcacact gctgttgatc tagttaacga 120  
gaccaagttg gatgatgaga tcaagtcatg gctagctttt gctgccccaa aaattgttga 180  
agttaacgca ttggctaaag cattgtctgg ccacaaggat gaggccttct tctctggtaa 240  
tgctgctgct ctggcttcaa ggaagtcctc tccaagagtg accaacgagg ctgttcagaa 300  
ggctgctgct gcattgaagg g 321

<210> 2820  
<211> 306  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2820

nacgtcgcan gcacgcgtac gtaagctcgg aattcggctc gagccaatgt tgggtgtccag 60  
gataccaccc agatccacac tcacatgtgc tactcgaact tcaacgacat catccactcc 120  
atcatcgaca tggacgccga tggtatcacc attgagaact ctgctccga cgagaagctt 180  
ctgtcagtct tccgcgaagg tgtgaagtat ggtgctggaa ttggccctgg tgtctatgac 240  
atccactccc caagaatacc accaactgaa gaaattgctg acagaatcaa caagatgctg 300  
gcagtg 306

<210> 2821  
 <211> 323  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2821

tcncatgcac gcgtacgtaa gctcgggaatt cggctcgagc tagcttttgc tgcccaaaaa 60  
 attgttgaag ttaacgcatt ganctaaagc attgtctggc cacaaggatg aggccttctt 120  
 ctctggtaat gctgctgctc tggcttcaag gaagtcttct ccaagagtga ccaacgaggc 180  
 tgttcagaag gctgctgctg cattgaaggg ttcagatcat cgccgtgcaa caaatgtcag 240  
 tgccagactg gattctcaac aaaagaagct caaccttcca atcctgcaa ccaccactat 300  
 tggatccttc cctcagactg tag 323

<210> 2822  
 <211> 290  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2822

acgtnagctc ggaattcggc tcgagcttgg actgggctgt ccatgccttc agaatcacca 60  
 atgttggtn gcaggatacc actcagatcc acaccacat gtgctactcc aacttcaacg 120  
 acatcatcca ctccatcatc gacatggacg ctgatgttat caccattgag aactctcgct 180  
 ccgatgagaa gctcctgtca gtcttccgtg aagggtgtgaa gtatgggtgct ggaattggcc 240  
 ctggtgtcta gacatccact cccaagaat accaccaact gaagaaatcg 290

<210> 2823  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<400> 2823

ctgctgttga tcttggttaac gagaccaagt tggatgacga gatcaagtca tggctagcat 60  
 ttgctgcaca aaaaattgtt gaagttaacg cattggctaa ggcattgtct ggcaacaagg 120  
 atgtggcctt cttctctgct aatgctgcag ctcaggcttc aaggaagtcc tctccaagag 180



tgaccaacga ggctgttcag aaggctgctg ctgcattgaa gggttcagat catcgccgtg	240
caacaaatgt cagtgccaga ctgga	265
<210>	2824
<211>	289
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	2824
cgtcgcatgc acgcgtacgt aagctcggaa ttcggctcga gcaaagttgt tgaacttcaa	60
gaagagcttg atattgatgt tcttggtcat ggagaaccag agagaaatga tatggttgag	120
tacttcggtg agcaattgtc aggcctttgcc ttcactgtta atgggtgggt gcaatcctat	180
ggttcccgtt gtgtgaagcc accaatcatc tatgggtgatg tgagccgccc aaagccaatg	240
actgtcttct ggatcatctt ggctcagagc ttaccaagc gcccaatgn	289
<210>	2825
<211>	265
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	2825
gttaacgcat tggctaaggc attgtctggc aacaaggatg tggccttctt ctctgctaata	60
gctgcagctc aggccttcaag gaagtcctct ccaagagtga ccaacgaggc tgttcagaag	120
gctgctgctg cattgaaggg ttcagatcat cgccgtgcaa caaatgtcag tgccagactg	180
gatgctcaac aaaagaagct caaccttcca atccttccaa ccaccactat tggntccttc	240
cctcagactg tagaactgag gaggg	265
<210>	2826
<211>	304
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	2826
agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gcttcacact gctgttgatc	60

nagttaacga gaccaagttg gatgatgaga tcaagtcatg gctagctttt gctgccccaaa 120  
aaattgttga agttaacgca ttggctaaaag cattgtctgg ccacaaggat gaggccttct 180  
tctctggtaa tgctgctgct ctggcttcaa ggaagtcttc tccaagagtg accaacgagg 240  
ctgttcagaa ggctgctgct gcattgaagg gttcagatca tcgccgtgca acaaatgtca 300  
gtgc 304

<210> 2827  
<211> 269  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2827

ctggtttgan tgttcttgtt gagacctact ttgctgacat ccctgctgag gcatacaaga 60  
ccctcacatc tctgaatggc gtcactgcat atggatttga tttgggccgt ggaaccaaca 120  
ctcttgattt gatcaagggg ggatttccca gcggaaaata cctctttgct ggagtgggtg 180  
atggaaggna catctgggcc aatgaccttg ctgcttctct cactaccttg cagggctctg 240  
agggcattgt gggcaaagat aagcttgtt 269

<210> 2828  
<211> 315  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2828

tcncatnnag cgnaggtann tacgtaagct cggaattcgg ctcgagtacg gctgcgagaa 60  
gacgacagaa gggcatggag aaccagagag caatgatatg gttgagtact tcggtgagca 120  
attgtcaggc tttgccttca ctgttaatgg gtgggtgcaa tcctatggtt cccgttgtgt 180  
gaagccacca atcatctatg gtgatgtgag ccgccccaaag ccaatgactg tcttctggtc 240  
atctctggct cagagcttta ccaagcgccc aatgaaggga atgcttaccg gtctgtttac 300  
cattctcaac tggtc 315

<210> 2829  
<211> 320  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2829

gtcgcangca cgcgtacgtn agctcggnat tcggctcgag caagcgccca atgaaggga 60  
tgcttaccgg tcctgttacc attctcaact ggctctttgt tagaaatgac caacctagat 120  
ctgagaccac ctaccagatt gctttgtcta tcaaggacga ngtggaagac cttgaaaagg 180  
cggcatcact gttatccaaa ttgatgaagc tgctttgaga gagggctctc cactgaggaa 240  
atcagagcaa gctcactact tggactgggc tgtccatgcc ttcagaatca ccaatgttgg 300  
tgtccaggat accaccaga 320

<210> 2830

<211> 512

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2830

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gcgtacgtaa gctcgggaatt cggctcgagc aaggttcttg ctgtctacaa ggaagttatt 120  
gctgacctta aggcagctgg tgcttcatgg attcagtttg atgagcctac ccttgtcttg 180  
gaccttgagt ctcaagatt gcaagcattc actgacgcat atgcagaact tgcgcctgct 240  
ttgtctggtt tgaatgttct tgttgagacc tactttgctg acatccctgc tgaggcatac 300  
aagaaccctt acatnttctt gaatggcgtc actgcatatg gatttgattt ggtccgtgga 360  
accaacactc ttgatttgat caaggggtgga tttccagcgg aaaatacctc tttcttgaa 420  
tgggttgatg gaaggacatt tgggccaatg accttgctgg tttttttaat acctgcaggg 480  
cttgaagggc atttgggcca aaataacctg tt 512

<210> 2831

<211> 325

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2831

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acaattgtca ggctttgcct tcaccgttaa tgggtgggtg caatcctatg gttcccgttg 120  
 cgtgaagcca cccatcatct atggatgatgt gagccgcccc aagccaatga cccgtcttctg 180  
 gtcattctctg gctcagagct ttaccaagcg cccaatgaag ggaatgctta ccggctcctgt 240  
 taccattctc aactggctct ttgttagaaa tgaccaacct agatngagac cactaccaga 300  
 ttgctttgtc tatcaaggac gaagg 325

<210> 2832  
 <211> 323  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2832

nnnaagcntc angnacgcgt acgttagctc ggaattcggc tcgagggctt caaggaagtc 60  
 ctctccaaga gtgaccaacg aggctgttca gaaggctgct gctgcattga agggttcaga 120  
 tntcgccgt gcaacaaatg tcagtgccag actggatgct caacaaaaga agctcaacct 180  
 tccaatcctt ccaaccacca ctattgntc cttccctcag actgtagaac tgaggaggga 240  
 ccgccgtgag ttcaaggcta acaagatctc cgaggaagag tatgttaagt caattaagga 300  
 ggaaattcgc aaagttgttg aan 323

<210> 2833  
 <211> 296  
 <212> DNA  
 <213> Glycine max  
 <400> 2833

gtcgcatgca cgcgtacgta agctcggat tcggctcgag agtcaattaa ggaggaaatt 60  
 cgcaaagttg ttgaacttca agaagagctt gatattgatg ttcttggtca tggagaacca 120  
 gagagaaatg atatggttga gtacttcggt gagcaattgt caggctttgc cttcactgtt 180  
 aatgggtggg tgcaatccta tggttcccg tgtgtgaagc caccaatcat ctatggtgat 240  
 gtgagccgcc caaagccaat gactgtcttc tggctcatctc tggctcagag ctttac 296

<210> 2834  
 <211> 265  
 <212> DNA

<213> Glycine max

<400> 2834

cgcccaatga aggggaatgct taccggctcct gttaccattc tcaactggtc ctttgttaga 60  
aatgaccaac ctagatctga gaccacctac cagattgctt tgtctatcaa ggacgaagtg 120  
gaagaccttg aaaaggctgg catcactgtt atccaaattg atgaagctgc tttgagagag 180  
ggctcttcac tgaggaaatc agagcaagct cactacttgg actgggctgt ccatgccttc 240  
agaatcacca atgttggtgt ccagg 265

<210> 2835

<211> 325

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2835

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ctttgctgga gtgggtgatg gaaggaacat ctgggccaat gaccttgctg cttctctcac 120  
tacattgcag ggtcttgagg gcattgtggg caaagataag cttgttgtgt ccacctctc 180  
ctcccttctt cacactgctg ttgatcttgt taacgagacc aagttggatg acgagatcaa 240  
gtcatggcta gcatttgctg cacaaaaaat tgttgaagtt aacgcattgg ctaaggcatt 300  
gtctggcaac aaggagtggc cttct 325

<210> 2836

<211> 346

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2836

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gctgcagctc aggcttcaag naagtcctct ccnagagtga ccaacgaggc tgttcagaag 120  
gctgctgctg cattgaaggg ttcanatcat cgccgtgcaa caaatgtcag tgccagactg 180  
gatgctcaac aaaagaagct caaccttcca atccttccaa ccaccactnt tgnntccttc 240  
cctcagactg tagaactgag gagggtagc gtgagttcaa ggtaacaaga ntccgaggaa 300

gagtatgtta agnccattaa ggaganatnt caagtgtgaa ctnaag

346

<210> 2837

<211> 312

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2837

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acattgcagg gtcttgaggg cattgtgggc aaagataagc ttgttggtgc cacctcctcc 120

tcccttcttc aactgctgt tgatcttgtt aacgagacca agttggatga cgagatcaag 180

tcatggctag catttgctgc acaaaaaatt gttgaagtta acgcattggc taaggcattg 240

tctggcaaca aggatgtggc cttcttctct gctaattgctg cagctcaggc ttcaaggaag 300

tcctctccaa ga 312

<210> 2838

<211> 307

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2838

ntatcentnn acgtcgcang cacgcgtacg taagctcgga attcggctcg agngagggta 60

cgccgtgagt tcaaggctaa caagatctcc gaggaagagt atgttaagtc aattaaggag 120

gaaattcgca aagttgttga acttcaagaa gagcttgata ttgatgttct tgttcatgga 180

gaaccagaga gaaatgatat gggtgagtag ttcggtagc aattgtcagg ctttgccctc 240

actgttaatg ggtgggtgca atcctatggt tcccgttgtg tgaagccacc aatcatctat 300

ggtgatg 307

<210> 2839

<211> 310

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2839

cttnnagtcn catncacnag tacgnaantc ngcnnnncng ttcttggtga gacctacttt 60

gctgacatcc ctgctgaggc atacaagacc ctcacatctc tgaatggcgt cactgcatat 120  
ggatttgatt tgggtccgtgg aaccaacact cttgatttga tcaaggggtgg atttcccagc 180  
ggaaaatacc tctttgctgg agtggttgat ggaaggaaca tctgggcca tgaccttgct 240  
gcttctctca ctaccttgca gggctctgag ggcattgtgg gcaaagataa gcttggttg 300  
tccacctcct 310

<210> 2840  
<211> 297  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2840

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tctatcaagg acgangtgga agaccttgaa aaggctggca tcaactgttat ccaaattgat 120  
gaagctgctt tgagagaggg tcttccactg aggaaatcag agcaagctca ctacttggac 180  
tgggctgtcc atgccttcag aatcaccaat gttggtgtcc aggataccac ccagatccac 240  
actcacatgt gctactcgaa cttcaacgac atcatccact ccatcatoga catggac 297

<210> 2841  
<211> 303  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2841

gtcgcttnat gcacgcgtac gtaagctcgg aattcggctc gagaaaaatt gttgaagtta 60  
acgcattggc taaggcattg tctggcaaca aggatgtggc cttcttctct gctaattgctg 120  
cagctcaggc ttcaaggaag tcctctccaa gagtgaccaa cgaggctgtt cagaaggctg 180  
ctgctgcatt gaaggggttca gatcatcgcc gtgcaacaaa tgtcagtgcc agactggatg 240  
ctcaacaaaa gaagctcaac cttccaatcc ttccaaccac cactattgga tccttccctc 300  
aga 303

<210> 2842  
<211> 241

<212> DNA  
 <213> Glycine max

<400> 2842

gttcttggtc atggagaacc agagagaaat gatatgggtg agtacttcgg tgaacaattg 60  
 tcaggctttg ccttcaccgt taatgggtgg gtgcaatcct atggttcccg ttgcgtgaag 120  
 ccaccgatca tctatgggtga tgtgagccgc ccaaagccaa tgaccgtctt ctggatcatct 180  
 ctgggtcaga gctttaccaa gcgcccgaatg aagggaatgc ttaccgggtcc tgttaccatt 240  
 c 241

<210> 2843  
 <211> 296  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2843

ntgcngcgta ngtaagctcg gaattcggct cgagtcaggc cttctttctct gctaattgctg 60  
 cagctcaggc ttcaaggaag tcctctccaa gagtgaccaa cgaggctggtt cagaaggctg 120  
 ctgctgcatt gaagggttca gatcatcgcc gtgcaacaaa tgtcagtgcc agactggatg 180  
 ctcaacaaaa gaagctcaac cttccaatcc ttccaaccac cactattggn tccttccttc 240  
 agactgtaga actgaggagg gtacgccgtg agttcaaggc tancaagatc tccgag 296

<210> 2844  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2844

cgcccaatga agggaatgct taccggctct gttaccattc tcaactggtc ctttggttaga 60  
 aatgaccaac ctagatctga gaccacctac cagattgntt tgtctatcaa ggacgaagtg 120  
 gaagaccttg aaaaggctgg catcactgtt atccaaattg atgaagctgc tttgagagag 180  
 ggtcttccac tgaggaaatc agagcaagct cactacttgg actgggctgt ccatgccttc 240  
 agaatcacca angttggtgt ccagg 265



<210> 2845  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2845

atntgtcgca tgcncgcgta cgtaagctcg gnattcggct cgagngacat catccactcc 60  
 atcatcgaca ggncgccgat gttatcacca ttgagaantc tcgctccgac gagangcttc 120  
 tgtcagtctt ccgcgaaggt gtgangtatg gtgctggaat tggccctggt gtctatgaca 180  
 tccactcccc aagaatacca ccaactgaag anattgctga cagaatcaac aagatgctgg 240  
 cagtgtctga gaagnacatc ttgtgggtga nccctgactg tgggctcaag acccgtaagt 300  
 aactgaggt gaagc 315

<210> 2846  
 <211> 311  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2846

ngncatgcac gcgtacgtaa gctcgggaatt nggctcgagt cagatcatcg ccgtgcaaca 60  
 aatgtcagtg ccagactgga ttctcaacaa aagaagctca accttccaat cctgccaaacc 120  
 accactattg gatccttccc tcagactgta gaactgagga gggtagcccg tgaattcaag 180  
 gctaacaaga tctccgagga agagtatgta aagtcaatta angaggaant tcgcaaagtt 240  
 gttgagcttc aagaagagct tgatatngat gttcttggtc atggagaacc agagagaaat 300  
 gatatggttg n 311

<210> 2847  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<400> 2847

gaagccaccg atcatctatg gtgatgtgag ccgccccaaag ccaatgaccg tcttctggtc 60  
 atctctgggt cagagcttta ccaagcgccc aatgaaggga atgcttaccg gtcctgttac 120  
 cattctcaac tggtcctttg ttagaaatga ccaacctaga tctgagacca cctaccagat 180

tgctttgtct atcaaggacg aagtggaaga ccttgaaaag gctggcatca ctgttatcca 240  
 aattgatgaa gctgct 256

<210> 2848  
 <211> 308  
 <212> DNA  
 <213> Glycine max  
 <400> 2848

gtcgcatgca cgcgtacgta agctcggaat tcgggctcga ggatttgatc aagggtggat 60  
 ttcccagcgg aaaatacctc tttgctggag tggttgatgg aaggaacatc tgggccaatg 120  
 accttgctgc ttctctcact accttgacagg gtcttgaggg cattgtgggc aaagataagc 180  
 ttgttgtgtc cacctcctcc tccttctctc acactgctgt tgatctagtt aacgagacca 240  
 agttggatga tgagatcaag tcatggctag cttttgctgc ccaaaaaatt gttgaagtta 300  
 acgcatgg 308

<210> 2849  
 <211> 292  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2849

acaagnanna ngtagtaag ctcggaatt cggctcgagc cttcttctct gctaattgctg 60  
 cagctcaggc ttcaaggaag tcctctccaa gagtgaccaa cgaggctgtt cagaaggctg 120  
 ctgctgcatt gaagggttca gatcatcgcc gtgcaacaaa tgtcagtgcc agactggatg 180  
 ctcaacaaaa gaagctcaac cttccaatcc ttccaaccac cactattgga tccttccctc 240  
 agactgtaga actgaggagg gtacgccgtg agttcaaggc taacaagatc tc 292

<210> 2850  
 <211> 292  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2850

cgcangcacn cgtacgtaag ctcggaattc ggctcgagcc actgaggaaa tcgaacaagc 60

tcactacttg gactgggctg tccatgcctt cagaatcacc aatgttggtg tgcaggatac 120  
 cactcagatc cacaccaca tgtgctactc caacttcaac gacatcatcc actccatcat 180  
 cgacatggac gctgatgtta tcaccattga gaactctcgc tccgatgaga agctcctgtc 240  
 agtcttccgt gaaggtgtga agtatgggtc tggaattggc cctgggtgtct at 292

<210> 2851  
 <211> 327  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2851

gtcncangca cgcntacgta anctcggaat tcggctcgag aatgatatg gttgagtact 60  
 tcgggtgaaca attgtcaggc tttgccttca ccgttaatgg gtgggtgcaa tcctatggtt 120  
 cccgttgcgt gaagccaccg atcatctatg gtgatgtgag ccgccccaaag ccaatnaccg 180  
 tcttctgggtc atctctgggt cagagcttta ccaagcgccc aatgaaggga atgcttaccg 240  
 gtcctgttac cattctcaac tggctccttg ttagaaatga ccaacctang tataaactcc 300  
 acaccgaaaa atgaacatca aggaggg 327

<210> 2852  
 <211> 345  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2852

gtcgcangcn cgcgtacgtn agctcngaatt tcggctcgag cnnagaccct cacatctctg 60  
 aatnggcgtc actgcatatg ggtttgattt ggtccgtgga acccatactc ttgatttgat 120  
 caaggggtgga tttcccagtg gaaaataacct ctttgctgga gtgggtgatg gaaggnacat 180  
 ctgggccaat gaccttgctg cttctctcac tacattgcag ggtcttgagg gcattgtggg 240  
 caaagataag cttgttgtgt ccacctctc ctcccttctt cacactgctg ttgatcttgt 300  
 taacgagacc aagttggatg acgagatcaa gtcatggcta gcatt 345

<210> 2853  
 <211> 309

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2853

gtcgcnnngca cgcgtacgta agctcggaat tcggctcgag gctgttcaga aggctgctgc 60  
 tgcattgaag gggtcagatc atcgccgtgc aacaaatgtc agtgccagac tggatgctca 120  
 acaaaagaag ctcaaccttc caatccttcc aaccaccact attggatcct tccctcagac 180  
 tgtagaactg aggaggggtac gccgtgagtt caaggctaac aagatctccg aggaagagta 240  
 tgtaaagtca attaaggagg aaattcgcaa agttgttgaa cttcaagaag agcttgatat 300  
 tgatgttct 309

<210> 2854  
 <211> 311  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2854

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gtgaagccac caatcatcta 60  
 tgggtgatgtg agccgcccaa agccaatgac tgtcttcttg ttcatctctg gctcagagct 120  
 ttaccaagcg cccaatgaag ggaatgctta ccggtcctgt taccattctc aactggctct 180  
 ttgttagaaa tgaccaacct agatctgaga ccacctacca gattgctttg gctatcaagg 240  
 acgaatggag gaccttgaaa aggctggcat cactgttata caaattgatg aagctgcttt 300  
 gagagagggt c 311

<210> 2855  
 <211> 324  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2855

gtcgcngcac gcgtacgtaa gctcggaatt cggctcgagc cactccatca tcgacatgga 60  
 cgctgatgtt atcaccattg agaactctcg ctccgatgag aagctcctgt ncagtcttcc 120  
 gtgaagggtg gaagtatggt gctggaattg gccctgggtg ctatgacatc cactccccaa 180

gaataccacc aactgaagaa atcgctgaca gaatcaataa gatgcttgca gtgctcgaga 240  
agaacatctt gtgggtcaac cctgactgtg gttcaagacc cgcaagtaca ctgaagtgaa 300  
gccagcccct nacaacatg gttg 324

<210> 2856  
<211> 311  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2856

tcgcangcac gcgtacgtaa gctcggaatt cggctcgagc cttgaaaagg ctgggcatca 60  
ctgttatcca aattgatgaa gctgctttga gaganggtct tccactgagg aaatcagagc 120  
aagctcacta cttggactgg gctgtccatg ccttcagaat caccaatgtt ggtgtccagg 180  
ataccacca gatccacact cacatgtgct actcgaactt caacgacatc atccactcca 240  
tcatcgacat ggacgccgat gtttcacat tgagaactct cgctccgacg agaagcttct 300  
gtcagtcttc c 311

<210> 2857  
<211> 258  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2857

ccgatgttat caccattgag aactctcgct ccgacgagaa gcttctgtca gtcttccgcg 60  
aaggtgtgaa gtatggtgct ggaattggcc ctggtgtcta tgacatccac tccccaagaa 120  
taccaccaac tgaagaaatt gctgacagaa tcaacaagat gctggcagtg ctcgagaaga 180  
acatcttgtg ggtgaaccct gactgtgggc tcaagaccg taagtacact gaggtgaagc 240  
cagccctana aananggt 258

<210> 2858  
<211> 282  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2858

acgtcgcang cacgcgtacg taagctcgga attcggctcg aggagaaatg atatggttga 60  
gtacttcggt gaacaattgt caggctttgc cttcaccgtt aatgggtggg tgcaatccta 120  
tggttcccgt tgcgtgaagc caccgatcat ctatggtgat gtgagccgcc caaagccaat 180  
gaccgtcttc tggatcatctc tggctcagag ctttaccaag cgcccaatga agggaatgct 240  
taccggctct gttaccattc tcaactggtc ctttggttaga aa 282

<210> 2859  
<211> 297  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2859

gcacgcgtac gtnagctcgg aattcggctc gaggcttctc tcactacatt gcagggctctt 60  
gagggcattg tgggcaaaga taagcttggt gtgtccacct cctcctccct tcttcacact 120  
gctgttgatc ttgttaacga gaccaagttg gatgacgaga tcaagtcattg gctagcattt 180  
gctgcacaaa aaattgttga agttaacgca ttggctaagg cattgtctgg caacaaggat 240  
gtggccttct tctctgctaa tgctgcagct caggcttcaa ggaagtcctc tccaaga 297

<210> 2860  
<211> 286  
<212> DNA  
<213> Glycine max  
<400> 2860

cacgcgtacg taagctcgga attcggctcg aggcgcccga tgaagggaat gcttaccggt 60  
cctgttacca ttctcaactg gtcctttggt agaaatgacc aacctagatc tgagaccacc 120  
taccagattg ctttgtctat caaggacgaa gtggaagacc ttgaaaaggc tggcatcact 180  
gttatccaaa ttgatgaagc tgctttgaga gagggctctc cactgaggaa atcagagcaa 240  
gctcactact tggactgggc tgtccatgcc ttcagaatca ccaatg 286

<210> 2861  
<211> 303  
<212> DNA  
<213> Glycine max

<223>        unsure at all n locations  
<400>        2861

```

cgcatgcncg cgtacgtaag ctcggaattc ggctcgagaa gcattgtctg gncacaagga   60
tgaggccttc ttctctggta atgctgctgc tctggcttca aggaagtctt ctccaagagt  120
gaccaacgag gctgtncaga aggctgctgc tgcattgagg gttcagatca tcgccgtgca  180
acaaatgtca gtgccagact ggattctcaa caaagaagc tcaaccttcc aatcctgcca  240
accaccacta ttggatcctt ccctcagact gtagaactga ggagggtacg ccgtgaattc  300
aag                                                                 303

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<210>        2862  
<211>        311  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        2862

```

gtcgcangca cgcgtacgta agctcggaat tcgngctcga gtcaccattg agaactctcg   60
ctccgatgag aagctcctgt cagtcttccg tgaagggtgtg aagtatggtg ctggaattgg  120
ccctggtgtc tatgacatcc actccccaag aataccacca actgaagaaa tcgctgacag  180
aatcaataag atgcnngcag tgctcgagaa gaacatcttg tgggtcaacc ctgactgtgg  240
tctccaagac ccgcaagtac actgaagtga agccagccct cacaacatg gttgccgcag  300
caaaactcat c                                                                 311

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<210>        2863  
<211>        296  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        2863

```

gtngcatgca nncctcggct cgaggacgag aagcttctgt cagtcttccg cgaagggtgtg   60
aagtatggtg ctggaattgg ccctggtgtc tatgacatcc actccccaag aataccacca  120
actgaagaaa ttgctgacag aatcaacaag atgctggcag tgctcgagaa gaacatcttg  180
tgggtgaacc ctgactgtgg gctcaagacc cgtaagtaca ctgagggtgaa gccagccctc  240
acaaacatgg ttncgcagc aaaactcatc cgcaacgaac ttgccaagtg anggta       296

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<210> 2864  
 <211> 305  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2864

tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagn cgacacctac ttctccatgg 60  
 ccagaggtaa tgctaccgtg cctgctatgg agatgancaa ntggttcgac accaactacc 120  
 actntattgt ccctgaattg ggccctgatg tgaacttcac ctatgcttct cacaaggctg 180  
 ttgatgaata caaggaggcc aaggcgcttg gagtggatac cattcccgta ctcgttggcc 240  
 ctgttacata cttgttgctc tccaagcctg ccaagggagt cgagaaatcc ttttctctcc 300  
 tctct 305

<210> 2865  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2865

tcgcangcac gcgtacgtaa gctcgggaat tcggctcgag caacttcaac gacatcatcc 60  
 actccatcat cgacatggac gctgatgtta tcaccattga gaactctcgc tccgatgaga 120  
 agctcctgtc agtcttccgt gaagggtgtga agtatgggtgc tggaattggc cctgggtgtct 180  
 atgacatcca ctccccaaga ataccaccaa ctgaagaaat cgctgacaga atcaataaga 240  
 tgcttgacgt gctcgagaag aacatcttgt ggggtcaaccc 280

<210> 2866  
 <211> 287  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2866

gannctcgcg tacgtnagct cggaattcgg ctcgaggcca caaggatgag gccttcttct 60  
 ctggtaatgc tgctgctctg gtttcaagga agtcttctcc aagagtgacc aacgaggctg 120



ttcagaaggc tgctgctgca ttgaaggggt cagatcatcg ccgtgcaaca aatgtcagtg 180  
ccagactgga ttctcaacaa aagaagctca accttccaat cctgccaacc accactattg 240  
gatccttccc tcagactgta gaactgagga gggtagcccg tgaattc 287

<210> 2867  
<211> 324  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2867

ncntgcgtac gtaagctcgg nntncggng ctcnggaatt cggctcgagc aagaagagct 60  
tgatattgat gttcttggtc atggagaacc agagagaaat gatatggttg agtacttcgg 120  
tgaacaattg tncaggcttt gccttcaccg ttaatgggtg ggtgcaatcc tatggttccc 180  
gttgcgtaga gccacgatca tctatggtga tgtgagccgc ccaaagccaa tgaccgtctt 240  
ctggatcatct ctggctcaga gctttaccaa gcgcccaatg aagggaatgc ttaccggtcc 300  
tgttaccatt ctcaactggc cctt 324

<210> 2868  
<211> 273  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2868

gtcnnatgca cgcgtncgta agctcggaat tcngctcgag tggagaacca gagagaaatg 60  
atatggttga gtacttcggt gagcaattgt caggctttgc cttcactggt aatgggtggg 120  
tgcaatccta tgggtcccggt tgtgtgaagc caccaatcat ctatggtgat gtagccgccc 180  
aaagccaatg actgtcttct ggatcatctct ggctcagagc tttaccaagc gcccaatgaa 240  
gggaatgctt accggtcctg ttaccattct caa 273

<210> 2869  
<211> 296  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2869

tcgcatgcac gcgtacgtna gctcgggaatt cggctcgagc agaaggctgc tgctgcattg 60  
aagggttcag atcatcgccg tgcaacaaat gtcagtgcc a gactggatgc tcaacaaaag 120  
aagctcaacc ttccaatcct tccaaccacc actattggat ccttccctca gactgtagaa 180  
ctgaggaggg tacgccgtga gttcaaggct aacaagatct ccgaggaaga gtatgttaag 240  
tcaattaagg aggaaattcg caaagttggt gaacttcaag aagagcttga tattga 296

<210> 2870  
<211> 301  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2870

gtcgcangca cgcgtacgta agctcgggaat tcggctcgag tgctgctctg gcttcaagga 60  
agtcttctcc aagagtgacc aacgaggctg ttcagaaggc tgctgctgca ttgaaggggt 120  
cagatcatcg ccgtgcaaca aatgtcagt ccagactgga ttctcaacaa aagaagctca 180  
accttccaat cctgccaaacc accactattg gatccttccc tcagactgta gaactgagga 240  
gggtacgccg tgaattcaag gctaacaaga tctccgagga agagtatgta aagtcaatta 300  
a 301

<210> 2871  
<211> 300  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2871

cgtcgcangc acgcgtacgt nagctcgga ttcggctcga ngcagaactt gcgcctgctt 60  
tgtctggttt gaatgttctt gttgagacct actttgctga catccctgct gaggcataca 120  
agaccctcac atctctgaat ggcgtcactg catatggatt tnatttggtc cgtggaacca 180  
acactcttga tttgatcaag ggtggatttc ccagcggaaa atacctcttt gctggagtgg 240  
ttgatggaag gaacatctgg gccaatgacc ttgctgcttc tctcactacc ttgcagggtc 300

<210> 2872  
<211> 558

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2872

gagangcgct gtcttnancn gntgctgttc ngcntccctc cggaattccc gggtcgaccc 60  
 angcgtacgc ncacgcntcc agagtgacca acgangctgt tcataaagct gctgctgcat 120  
 tgaangactg ggatggntc cgtgcaacaa atgtcagtgc cagactggat tctcaacana 180  
 agaagctcaa ccttccaatc ctgccaacca ccactattgg atccttncct cagactgtat 240  
 aactgaggag ggtacncnt gaattnaagg ctaacangat ctccnaggaa nagtatgtaa 300  
 agtcaattaa ngaggaaatt cgcaaanntt gtttnaactn naanaagagc ttgatattga 360  
 tgttcttggt catggatanc canagagaaa tgatatgggt gagtnctttn ggtgaacaaa 420  
 ttttnaangc ttttnccctt taccgntaa tnggttgggt gcaatnctat nggtttcccn 480  
 ttgnngttaa agcctcctat cattttattg gngnttttta gcccntocaa angccaattg 540  
 accntcttt ttnttatt 558

<210> 2873  
 <211> 279  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2873

cgtnagctcg gaattcggct cgagggagaa ccagagagaa atgatatgggt tgagtacttc 60  
 ggtgagcaat tgtccaggct ttgccttcac tgtaaatggg tgggtgcaat cctatgggtc 120  
 ccgttggtg aagccaccaa tcatctatgg tgatgtgagc cgcccaaagc caatgactgt 180  
 cttctgggtca tctctggctc agagctttac caagcgcca atgaaggga tgcttaccgg 240  
 tcctgttacc attotcaatg gtcctttggt agaaatgac 279

<210> 2874  
 <211> 295  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2874

acgcgnacgt aagctcggga attcggctcg agcctagatc tgagaccacc taccagattg 60  
ctttgtctat caaggacgaa gtggaagacc ttgaaaaggc tggcatcact gttatccaaa 120  
ttgatgaagc tgctttgaga gaggggtcttc cactgaggan atcagancaa gctcactact 180  
tggactgggc tgtccatgcc ttcagaatca ccaatgttgg tgtccaggat accacccaga 240  
tccacactca catgtgctac tcgaattcaa cgacatcatc cactccatca tcgag 295

<210> 2875  
<211> 303  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2875

nttngcacgc gtacgtaagc tcggaattcg gctcgagctt gctgtctaca aggaagttat 60  
tgctgacctt aaggcagctg gtgcttcatg gattcagttt gatgagccta cccttgtctt 120  
ggaccttgag tctcacaagt tgcaagcatt cactgacgca tatgcagaac ttgcgcctgc 180  
tttgtctggt ttgaatgttc ttgttgagac ctactttgct gacatccctg ctgaggcata 240  
caagaccctc acatctctga atggcgtcac tgcatatgga tttgatttgg tccgtggaac 300  
caa 303

<210> 2876  
<211> 293  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2876

annnganac gtcgcangca cgcgtacgta agctcgggaat tcggctcgag nactcacat 60  
gtgctactcg aacttcaacg acatcatcca ctccatcatc gacatggacg ccgatgttat 120  
caccattgag aactctcgct ccgacgagaa gctnctgtca gtcttccgcg aaggtgtgaa 180  
gtatggtgct ggaattggcc ctggtgtcta tgacatccan tccccaagaa taccaccaac 240  
tgangaaatt gctgacagaa tcaacaagat gctggcantg ctcgagaaga aca 293

<210> 2877  
<211> 291  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2877

gncgtcgcan gcacgcgtac gtaagctcgg aattcggctc gaggttagaa atgaccaacc 60  
tagatctgag accacctacc agattgcttt ggctatcaag gacgaagtgg aggaccttga 120  
aaaggctggc atcactgtta tccaaattga tgaagctgct ttgagagagg gtctgccact 180  
gaggaaatca gaacaagctc actacttgga ctgggctgtc catgccttca gaatcaccaa 240  
tgttggtgtg caggatacca ctcatatcca caccacatg tgctactcca a 291

<210> 2878

<211> 298

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2878

ctnanngcgt cgcangcacg cgtacgtnag ctcggaattc ggctcgaggg gaatgcttac 60  
cggtcctgtt accattctca actggctcctt tgtagaaat gaccaaccta gatctgagac 120  
cacctaccag attgctttgt ctatcaagga cgaagtggaa gaccttgaaa aggctggcat 180  
cactgttata caaattgatg aagctgcttt gagagagggg cttccactga ggaaatcaga 240  
gcaagctcac tacttggact gggctgtcca tgccttcaga atcaccaatg ttggtgtc 298

<210> 2879

<211> 310

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2879

agtcgcangc acgcgtacgt aagctcgga ttcggctcga gatgggtggg tgcaatccta 60  
tggttcncgt tgtgtgaagc caccaatcat ctatggtgat gtgagcngnc caaagccaat 120  
gactgtcttc tggctcatctc tggctcagag ctttaccag cgcccaatga agggaatgct 180  
taccggctct gttaccattc tcaactggct ctttggttaga aatgaccaac ctagatctga 240  
gaccacctac cagattgctt tggctatcaa ggacgaagtg ggaggacctt gaaaaggctg 300  
gcatcatgtt 310

<210> 2880  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2880

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tcgatgcacg cgtacgtaag ctcggaattc ggctcgagga agccaccaat catctatggt 60
gatgtgagcc gcccaaagcc aatgactgtc ttctgggtcat ctctgggtca gagctttacc 120
aagcgcccaa tgaagggaat gcttaccggt cctgttacca ttctcaactg gtcctttntt 180
agaaatgacc aacctagatc tgagaccacc taccagattg ctttgggtat caaggacgaa 240
gtggaggacc ttgaaaaggc tggcatcact gttatccaa 279
```

<210> 2881  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2881

```
tttatgcagc gtacgtnagc tcggaattcg gctcgaggnc aattaaggag gaaattcgca 60
aagttgttga acttcaagaa gagcttgata ttgatgttct tgttcatgga gaaccagaga 120
gaaatgatat ggttgagtac ttcggtgagc aattgtcagg cttgccttca ctgttaatgg 180
gtgggtgcaa tcctatggtt cccgttgtgt gaagccacca atcatctatg gtgatgtgag 240
ccgccccaaag ccaatgactg tcttctggtc atctctggct 280
```

<210> 2882  
 <211> 344  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2882

```
gtcgcacgca cgcgtacgtn agctcggaat tcggctcgag naccactatt ggatccttcc 60
ctcagactgt agaactgagg agggtagccc gtgaattcaa ggctaacaag atctccgagg 120
aagagtatgt aaagtcaatt aaggaggaaa ttcgcaaagt tgttgagctt caagaagagc 180
```

ttgatattga tgttcttggt catggagaac cagagagaaa tgatatgggt gagtacttcg 240  
 gtgaacaatt gtcaggcttg ccttcaccgt taatgggtgg gtgcaatcct aggttcccgt 300  
 tgcgtgaagc caccgatcat ctatgggtgag tgagccgccc aaag 344

<210> 2883  
 <211> 276  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2883

acngtacgt aagctcggaa ttcggctcga gnatgggtcc cgttgctga agccaccgat 60  
 catctatggt gatgtgagcc gcccaaagcc aatgaccgtc ttctgggtcat ctctgggtca 120  
 gagctttacc aagcgcccaa tgaagggaat gcttaccggt cctgttacca ttctcaactg 180  
 gtcctttggt agaaatgacc aacctagatc tgagaccacc taccagattg ctttgtctat 240  
 caaggacgaa gtggaagacc ttgaaaaggc tggcat 276

<210> 2884  
 <211> 288  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2884

gtngcangcg tacgtaagct cggaattcgg ctcgagggtta atgggtgggt gcaatcctat 60  
 ggttcccgtt gtgtgaagcc accantcatc tatgggtgatg tgagccgccc aaagccaatg 120  
 actgtcttct ggtcatctct ggctcagagc ttaccaagc gcccaatgaa gggaatgctt 180  
 accggtcctg ttaccattct caactgggtcc tttgttagaa atgaccaacc tagatctgag 240  
 accacctacc agattgcttt ggctatcaag gacgaatgga ggaccttg 288

<210> 2885  
 <211> 314  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2885

nngcangcac gentacgtna gctcgggaatt cggctcgagn gaccttgctg cttctctcac 60

tacattgnca gggctcttgag ggcattgtgg gcaaagataa gcttggttg tccacctct 120  
cctcccttct tcacactgct gttgatcttg ttaacgagac caagttggat gacgagatca 180  
agtcattggct agcatttgct gcacaaaaaa ttgttgaagt taacgcattg gctaaggcat 240  
tgtctggcaa caaggatgtg gccttcttct ctgctaattgc tgcagctcag gcttcaagga 300  
agtcctctcc aaga 314

<210> 2886  
<211> 304  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2886

gncgcatgca cgcgtacgta agctcggaat tcggctcgag cttgatttga tcaaggggtgg 60  
atttcccagc ggaaaatacc tctttgctgg agtggttgat ggaaggaaca tctgggcca 120  
tgaccttgct gcttctctca ctaccttgca gggctcttgag ggcattgtgg gcaaagataa 180  
gcttggttg tccacctct cctcccttct tcacactgct gttgatctag ttaacgagac 240  
caagttggat gatgagatca agtcattggct agcttttgct gccccaaaaa tgttgaagtt 300  
aacg 304

<210> 2887  
<211> 275  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2887

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gccc aaagcc aatgactgtc 60  
ttctggatcat ctctggctca gagctttacc aagcgcccaa tgaagggaat gcttaccggt 120  
cctgttacca ttctcaactg gtcctttggt agaaatgacc aacctagatc tgagaccacc 180  
taccagattg ctttggctat caaggacgaa gtggaggacc ttgaaaaggc tggcatcact 240  
gttatccaaa ttgatgaagc tgctttgaga gaggg 275

<210> 2888  
<211> 257



<212> DNA  
<213> Glycine max

<400> 2888

cgcatatgca gaacttgac ctgctttgtc tgatctgaat gttcttggtg agacctactt 60  
tgctgacatc cctgctgagg cgtacaagac cctcacatct ctgaatggcg tcaactgcata 120  
tgggtttgat ttggtccgtg gaaccatac tcttgatttg atcaaggggtg gatttcccag 180  
tgaaaaatac ctctttgctg gagtggttga tggaaggaac atctgggcca atgaccttgc 240  
tgcttctctc actacat 257

<210> 2889  
<211> 278  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 2889

tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagt gttcttggtg agacctactt 60  
tgctgacatc cctgctgngg catacaagac cctcacatct ctgaatggcg tcaactgcata 120  
tggatttgat ttggtccgtg gaaccaaacac tcttgatttg atcaaggggtg gatttcccag 180  
cggaaaatac ctctttgctg gagtggttga tggaaggaac atctgggcca atgaccttgc 240  
tgcttctctc actaccttgc agggctcttga gggcattg 278

<210> 2890  
<211> 298  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 2890

ctgcacgcgt acgtaagctc ggaattnggc tcgagctcga gccgctcgag ccgaccttga 60  
aaaggctggc atcactgtta tccaaattga tgaagctgct ttgngagagg gtcttccact 120  
gaggaaatca gagcaagctc actacttggga ctgggctgtc catgccttca gaatcaccaa 180  
tgttggtgtc caggatacca cccagatcca cactcacatg tgctactcga acttcaacga 240  
catcatccac tccatcatcg acatggacgc cgatgttatc accatgagaa tctcgtctc 298

<210> 2891  
 <211> 316  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2891

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gtcgcangca cgcgtacgta agctcggaat tcggctcgag ntccgaggaa gagtatgtta 60
agtcaattaa ggaggaaatt cgcaaagttg ttagaacttc aagaagagct tgatattgat 120
gttcttggtc atggagaacc agagagaaat gatatggttg agtacttcgg tgagcaattg 180
tnangctttg ccttcactgt taatgggtgg gtgcaatcct atggttcccg ttgtgtgaag 240
ccaccaatca tctatggtga tgtgagccgc ccaaagccaa tgactgtctt ctggtcactt 300
ctggctcaga gcttta 316
```

<210> 2892  
 <211> 289  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2892

```
gtcgcangca cgcntacgtn agctcgggaa ttcggctcga gngactggat gctcaacaaa 60
agaagctcaa ccttccaatc cttccaacca nactatttgg atccttcctt cagactgtag 120
aactgaggag ggtacgccgt gagttcaagg ctaacaagat ctccgaggaa gagtatgtta 180
agtcaattaa ggaggaaatt cgcaaagttg ttgaacttca agaagagctt gatattgatg 240
ttcttgttca ggagaaccag agagaaatga tatggttgag tacttcggt 289
```

<210> 2893  
 <211> 320  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2893

```
gttactgcac gngtacgtaa gctcggaatt nggctcgagc tcgagccgct atggtgatgt 60
gagccgccca aagccaatga ccgtcttctg gtcactctctg gctcagagct ttaccaagcg 120
cccaatgaag ggaatgctta ccggtcctgt taccattctc aactggctct ttgttagaaa 180
```

tgaccaacct agatctgaga ccacntacca gattgctttg tctatcaagg acgaagtgga	240
agaccttgaa aaggctggca tcaactgttat ccaaattgat gaagcgcttt gagagaggggt	300
cntccactga ggaaatcaga	320

<210>	2894
<211>	302
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	2894

gtcgcacatgca cgcgtacgta agctcggaat tcggctcgag cgtaaattggg tgggtgcaat	60
cctatgggttc ccgttgctg aagccaccga tcatctatgg tgatgtgagc cgcccaaagc	120
caatgaccgt cttctgggtc tctctggctc agagntttac caagcgccca atgaagggaa	180
tgcttaccgg tcctgttacc attctcaact ggtcctttgt tagaaatgac caacctagat	240
ctgagaccac ctaccagatt gctttgtcta tcaaggacga atggaagacc ttgaaaaggc	300
tg	302

<210>	2895
<211>	313
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	2895

acgtcgcacatg cacgcgtacg tnagctcgga attcggctcg agnttaattgg gtgggtgcaa	60
tcctatgggtt cccgttgctg gaagccaccg atcatctatg tgatgtgag ccgccccaaag	120
ccaatgaccg tcttctgggtc atctctgggt cagagcttta ccaagcgccc aatgaagggg	180
ntgcttaccg gtcctgttac cattctcaac tggctcctttg ttagaaatga ccaacctaga	240
tctgagacca cctaccagat tgctttgtct atcaaggacg aatggaagac cttgaaaagg	300
ctggcatcat gtt	313

<210>	2896
<211>	312
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations  
 <400> 2896

cantcgnang nacgcgtacg taagctcggg attcgggtnc naggaaanta cctctttgct 60  
 ggagtgggtg atggaaggaa catctgggcc aatgaccttg ctgcttctct cactaccttg 120  
 cagggctctg agggcattgt gggcaaagat aagcttggtg tgtccacctc ctctccctt 180  
 cttcacactg ctgttgatct agttaacgag accaagttgg atgatgagat caagtcattg 240  
 ctagcttttg ctgccccaaa aattgttgaa gttaacgcat ggctaaagca tgtctggcca 300  
 caaggatgag gg 312

<210> 2897  
 <211> 291  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2897

gcngcacgcg tacgtaagct cggaattcgg ctcgaggatt gcacccaccc attaacggtg 60  
 atgtgagccg cccaaagcca atgacctct tctggctcag agctttacca 120  
 agcgcccaat gaagggaatg cttaccggtc ctgttaccat tctcaactgg tcctttgtta 180  
 gaaatgacca acctagatct gagaccacct accagattgc tttgtctatc aaggacgaag 240  
 tggaagacct tgaaaaggct ggcactcactg ttatccaaat tgatgaagct g 291

<210> 2898  
 <211> 312  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2898

agtcgcatgc acgcgtacgt aagctcggaa ttcggctcga gctcagatgt tcnttccatc 60  
 aacctctcca gcnaagataa ncttgtngtg tccacctcct cctcnnttct tcacactgct 120  
 gtngatnttg ttaacgagac caagttggat gacgagatca agtcattggt agcatttgct 180  
 gcacaaaaaa ttgttgaagt taacgnattg gctaaggcnt tgtctggcaa caaggatgtg 240  
 gccttcttnt ctgctaattg tgcagctcag gcttcaagga agtcntctcc aagagtgacc 300  
 aacgaggctg tt 312

<210> 2899  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2899

cgcatatgca gaacttgacac ctgctttgtc tgatctgaat gtncttggtg anacctactt 60  
 tgctgacatc cctgctgagg cgtacaagac cctcacatct ctgaatggcg tcaactgcata 120  
 tgggtttgat ttggtccgtg gaaccatac tcttgatttg atcaagggtg gatttcccag 180  
 tggaaaatac ctctttgctg gagtggttga tggaaggaaac atctgggcca atgaccttgc 240  
 tgcttct 247

<210> 2900  
 <211> 317  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2900

tcgcatncac gcgtacgtaa gctcgggaatt cggctcgagg ggaatgctta ccggtcctgt 60  
 taccattctc aactggctct ttgttagaaa tgaccaacct agatctgaga ccacctacca 120  
 gattgctttg tctatcaagg acganacngg aagaccttga aaaggctggc anccactgtt 180  
 ntccaaattg atgaagctgc tttgagagag ggtcttccac tgaggaaatc agagcaagct 240  
 cactacttgg actgggctgt ccatgccttc agaataacca atgttggtgt ccaggatacc 300  
 acccagatcc aactna 317

<210> 2901  
 <211> 285  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2901

gtctatgcac gcgtacgtaa gctcgggaatt cggctcgagc gagaccangt tggatgacga 60  
 gatcaagtca tggctagcat ttgctgcaca aaaaattgtt gaagttaacg cattggctaa 120

ggcattgtct gncaacaagg atgtggcttc ttctctgcta atgctgcagc tcaggcttca 180  
 aggaagtcct ctccaagagt gaccaacgag gctgttcaga aggctgctgc tgcattgaag 240  
 ggttcagatc atcgccgtgc aacaaatgtc agtgccagac tggat 285

<210> 2902  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2902

gtcgcangca cgcgtacgta agctcggaat tcggctcgag nacaagatct ccgaggaaga 60  
 gtatgtaaag tcaattaagg aggaaattcg caaagttggt gagcttcaag aagagcttga 120  
 tattgatgtt cttgttcatg gagaaccaga gagaaatgat atggttgagt acttcggtga 180  
 acaattgtca ggctttgcct tcaccgttaa tgggtgggtg caatcctatg gttcccgttg 240  
 cgtgaagcca ccgatcatct atgg 264

<210> 2903  
 <211> 299  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2903

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctgaattggg ccctgatgtg 60  
 aacttcacct atgcttctca caaggctgtt gatgaatata aggaggccaa ggcgcttgga 120  
 gtggatacca ttcccgtaact cgttggccct gttacatact tgttgctctc caagcctgcc 180  
 aagggagtcg agaaatcctt ttctctcctc tctctccttc ccaaggttct tgctgtctac 240  
 aaggaagtta ttgctgacct taaggcagct ggtgcttcat ggattcaatt gatgagcct 299

<210> 2904  
 <211> 305  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2904

gttgcatgca gcgtacgtaa gctcggaatt cggctcgagg gaagttattg cngaccttaa 60

ggcagctggt gcttcatggn ttcaatttga tgagcctacc cttgtcttgg accttgaatc 120  
tcacaagttg caagctttca ctgacgcata tgcanaactt gcacctgctt tgtctgatct 180  
gaatgttctt gttgagacct actttgctga catccctgct gaggcgtaca agaccctcac 240  
atctctgaat ggcgtcactg catatggggt tgatttggtc cgtggaaccc atactcttga 300  
tttga 305

<210> 2905  
<211> 299  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2905

actacgcatg cacgcgtacg taagctcgga attcggctcg agtctggctc agagctttac 60  
caagcgccca atgaagggaa tgcttacnrg tctgtttacc attctncaac tggtcctttg 120  
ttagaaatga ccaacctaga tctgagacca cctaccagat tgctttgtct atcaagntga 180  
agtggaagac cttgaaaagg ctggcatcac tgttatccaa attgatgaag ctgctttgag 240  
agagggctct ccaactgagga aatcagagca agctcactac ttggactggg ctgtccatg 299

<210> 2906  
<211> 286  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2906

cacgcangca cgcgtacgta agctcggaat tcggctcgag gtggatttcc cagtggaaaa 60  
tacctctttg ctggagtggg tgatggaagg aacatctggg ccaatgacct tgctgcttct 120  
ctcactacat tgcaggggtct tgagggcatt gtgggcaaag ataagcttgt tgtgtccacc 180  
tcccctccct tcttcacact gctgttgatc ttgttaacga gaccaagttg gatgacgaga 240  
tcaagtcatg gctagcattt gctgcacaaa aaattgttga agttaa 286

<210> 2907  
<211> 313  
<212> DNA  
<213> Glycine max

<223>        unsure at all n locations  
<400>        2907

```

agtcgctgcn nncgtcggaa ttcggctcga ggtctacaag gaagtnattg ctggacctta   60
aggcagctgg tgcttcatgg attcaatntg atgagcctac ccttatcttg gaccttgaat  120
ctcanaagtt gcaagctttc actgacgcat atgcagaact tgcacctgct ttgtctgac  180
tgaatgtntc ngtnagacn cactttgctg acatccctgc tgaggcgtac aagaccctca  240
catctctgaa tggcgctcact gcatatgggt ttgatttggt ccgtggaacc catactcttg  300
atttgatcaa ggg                                                    313

```

<210>        2908  
<211>        274  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        2908

```

acgtcgcang cacgcgtacg taagctcggg attcggctcg agtggattct caacaaaaga   60
agctcaacct tccaatcctt ccaaccacca ctattggntc cttccctcag actgtagaac  120
tgaggagggg acgccgtgaa ttcaaggcta acaagatctc cgaggaagag tatgtaaagt  180
caattaagga ggaaattcgc aaagttgttg agcttcaaga agagcttgat attgatgttc  240
ttgttcatgg agaaccagag agaaatgata tggt                                274

```

<210>        2909  
<211>        276  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        2909

```

gcatgcncgc gtncgtnagc tcggaattcg gctcgagtct ggctcagagc tttaccaagc   60
gcccaatgaa gggaatgctt accggtcctg ttaccattct caactgggtcc tttgttagaa  120
atgaccaacc tagatctgag accacctacc agattgcttt gtctatcaag gacgaagtgg  180
aagaccttga aaaggctggc atcactgtta tccaaattga tgaagctgct ttgagagagg  240
gtcttccact gaggaaatca gagcaagctc atactt                                276

```



<210> 2910  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2910

cacaagtngc aagcnttcac tgacgcatat gcagaacttg cacctgcttt gtctgatctg 60  
 aatgttcttg ttgagaccta ctttgctgac atccctgctg aggcgtacaa gaccctcaca 120  
 tctctgaatg gcgtcactgc atatgggttt gatttggtcc gtggaacca tactcttgat 180  
 ttgatcaagg gtggatttcc cagtggaaaa tacctctttg ctggagtggg tgatggnagg 240  
 nacatctggg cc 252

<210> 2911  
 <211> 286  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2911

gtcgcangca cgcgtacgta agctcggaat tcggctcgag attggctaag gcattgtctg 60  
 gcaacaagga tgtggccttc ttctctgcta atgctgcagc ttcaggcttc aaggaagtcc 120  
 totccaagag tgaccaacga ggctgttcag aaggctgctg ctgcattgaa gggttcagat 180  
 catcgccgtg caacaaatgt cagtgccaga ctggnctgctc aacaaaagaa gctcaacctt 240  
 ccaatccttc caaccaccac tattgntcct tcctcagacg tgtgaa 286

<210> 2912  
 <211> 293  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2912

cgtcgnngca cgcgtacgtn agctcggnan tnggctcgag ctcgagccgc aagagtgacc 60  
 aacgaggctg ttcagaaggc tgctgctgca ttgaagggtt cngatcatcg ccgtgcaaca 120  
 aatgtcagtg ccagactgga ttctcaacan aagaagtca accttccaat cctgccaacc 180  
 accactattg gatacttccc tcagactgta gaactgagga gggtagccg tgaattcnag 240

gctaacaaga tctccgagga agagtatgta nngtcaatta agngggaaat tcg 293

<210> 2913  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2913

gtcnaatgca cgcgtacgta agctcggaat tcggctcgag cgaggctgtt cagaaggctg 60  
 ctgctgcatt gaagggttca gatcatcgcc gtgcaacaaa tgtcagtgcc agactggatt 120  
 ctcaacaaaa gaagctcaac cttccaatcc tgccaaccac cactattgga tccttccttc 180  
 agactgtaga actgaggagg gtacgccgtg aattcaaggc taacaagatc tccgaggaag 240  
 agtatgtaaa gtcaattaag gaggaaattc gcaa 274

<210> 2914  
 <211> 283  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2914

acantcatgc acgcgnagta gtcggaatnc ggctcgaggt tgagcnncaa gnagancttg 60  
 atattgnngt tcntgntcat ggaganccan agagaaatga tatggttgag tacttcggtg 120  
 aacaattgtc aggctttgct ttcaccgtta atgggtgggt gcaatcctat ggntcccgtt 180  
 gcgtgaagcc ancgatcatc tatggtgatg tnagccgccc aaagccaatg accgtnttct 240  
 ggtcatctct ggctcagagc tttaccaagc gccaatgaag gga 283

<210> 2915  
 <211> 534  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2915

gagggattnn aaantctttc nanagccatg ttgtncctcg ttcggaattc ccgctcgacc 60  
 cacgcgtccg nncacncgtc cgctgcagaa gacgactgaa nggagagctt gatattgatg 120

ttcttgggca tggagaacca gagagaantg atgtggttga gtacttcggt gagcaattgt 180  
 caggctttgc cttcactgtt aatgggtggg tgcaatccta tggttcccgt tgtgtgaanc 240  
 caccnatcat ctatggtgat gtgagcccc aaanccaatg actgtcttct ggtcatctct 300  
 ggctcananc tttaccaatc gcccnntgaa anggaatnct tnccgggcct gttacattnt 360  
 naacttgggc ctttntttna anatnancaa cctatttntt annccnctnc nttattnttt 420  
 tnncttttna ggatnatnng nttgnntttt tanaaanggg ttngatnat ttntttntn 480  
 natntnttn atnnnnntn tntnaaang ntntntnat tnngnaataa natt 534

<210> 2916  
 <211> 297  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 2916

gttaacgaga ccaagcnanc catgacttga tctcatcatc caacttggtc tcgttaacta 60  
 gatcaacagc agtgtgaaga agggaggagg agatcaagtc atggctagct tttgctgccc 120  
 aaaaaattgt tgaagttaac gcattggcta aagcattgtc tggccacaag gatgaggcct 180  
 tcttctctng taatgctgct nctctggctt caaggaagtc ttctccaaga gtgaccaacg 240  
 aggctgttca gaaggctgct gctgcattga agggttcaga tcatcgccgt gcaacaa 297

<210> 2917  
 <211> 410  
 <212> DNA  
 <213> Glycine max  
  
 <400> 2917

gtatggtgct ggaattggcc ctggtgtcta tgacatccac tcccaagaa taccaccaac 60  
 tgaagaaatc gctgacagaa tcaataagat gcttgacgtg ctgagaaga acatcttgtg 120  
 ggtcaaccct gactgtggtc ttaagacctg caagtacact gaagtgaagc cagccctcac 180  
 aaacatggtt gccgcagcaa aactcatccg taacgaactt gccaaagtga tggataaga 240  
 aagtagaatc tacaagttca ttggttctgc tttataata caccaaagaa aaattttcta 300  
 tattgggttg tttcaataac cgtgtgtgga atatttagat gtttagcat gctccgtgaa 360  
 caattgatcc tctcaaacc ctctcccctt aattttcca actcccggtt 410

<210> 2918  
 <211> 333  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2918

acgtcgnatn nnnngcgnagg ananngtcgc angcacgcgt acgtaagctc ggaattcggc 60  
 tcgagnnagg aggggtacgcc gtgagttcaa ggctaacaag atctccgagg aagagtatgt 120  
 taagtcaatt aaggaggaaa ttcgcaaagt tgttgaactt caagaagagc ttgatattga 180  
 tgttcttgtt catggaganc cngggngaant tgatatgggt gagtacttcg gtgagcaatt 240  
 gtcaggcttg ccttcactgt taatgggtgg gtgcaatcca anggtcccgt tgtgtnaagc 300  
 caccaatcca ctatggtgat gtgagccgcc caa 333

<210> 2919  
 <211> 313  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2919

cgtcgcgngc acgcgtacgt aagctcggga ntctggctcg agcaagcncc caatgaaggg 60  
 antgcttacc ggtcctgtta ccattctcaa ctggctccttt gttagaaatg accaacctag 120  
 atctgagacc acctaccaga ttgctttgtc tatcaaggac gaagtggaag accttgaaaa 180  
 ggctggcatc actgttatcc agnttggtga agctgctttg agagaggggtc ttccactgag 240  
 gaaatcagan caagctcact attggatggg tgtccatgcc ttcagaatca ccangttggt 300  
 gtccaggata cca 313

<210> 2920  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2920

ggatgacgag atcaagtcatt ggctagcatt tgctgcacaa aaaattgttg aagttaacgc 60

attggctaag gcattgtctg gcaacaagga tgtggccttc ttctctgcta atgctgcagc 120  
 tcaggcttca aggaagtcct ctccaagagt gaccaacgag gctgttcaga aggctgctgc 180  
 tgcattnaag gggtcagntc ancgncgtnc aacanntcnc agccnnantg ganantcncn 240  
 aaaaaaggct cccccnncc 259

<210> 2921  
 <211> 286  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2921

tcgctgcacg cgtacgttag ctcggaattc ggctcgaggg ataccgttcc ggtcctcggt 60  
 ggccctgtta catacctggt gctctccaag cctgccaagg gagttgagaa atccttttct 120  
 ctctctcttc tccttcccaa gggtcttgct gtctacaagg aagttattgc tgaccttaag 180  
 gcagctgggtg cttcatggat tcagtttgat gagcctaccc ttgtcttgga ccttgagtct 240  
 cacaagttgc aagcattcac tgacgcatat gcagaacttg cgctg 286

<210> 2922  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <400> 2922

gtgcaatcct atggttcccg ttgcgtgaag ccaccgatca tctatggtga tgtgagccgc 60  
 ccaaagccaa tgaccgtctt ctggatcatc ctggctcaga gctttaccaa gcccacatga 120  
 agggaatgct taccggtcct gttaccattc tcaactggtc ctttggttaga aatgaccaac 180  
 ctagatctga gaccacctac cagattgctt tgtctatcaa ggacgaatgg aagaccttga 240  
 aa 242

<210> 2923  
 <211> 270  
 <212> DNA  
 <213> Glycine max  
 <400> 2923

gcgtacgtaa gctcgaatt cggctcgagt cagatcatcg ccgtgcaaca aatgtcagtg 60

ccagactgga ttctcaacaa aagaagctca accttccaat cctgccaacc accactattg 120  
gatccttccc tcagactgta gaactgagga gggtagccg tgaattcaag gctaacaaga 180  
tctccgagga agagtatgta agtcaattaa ggaggaaatt cgcaaagttg ttgagcttca 240  
agaagagctt gatattgatg ttcttgttca 270

<210> 2924  
<211> 292  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2924

agtcnnangc acgcntacgt aagctcggaa ttcggctcga gggtaggattt cccagtggaa 60  
aatacctctt tgctggagtg gttnatggaa ggaacatctn gngccaatga ccttgctgct 120  
tctctcacta cattgcaggg tcttgagggc attgtnggca aagataagct tgttgtgtcc 180  
acctcctcct cccttcttca cactgctgtt gatcttgta acgagaccaa gttggatgac 240  
gagatcaagt catggctagc atttgctgca caaaaaattg tgaagttaac gc 292

<210> 2925  
<211> 312  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2925

aanatttnnc gtcgcatgca tgcgtacgta agctcggaat tcggctcgag gagaaatgat 60  
atggttctcc atgaacaaga acatcaatat caagctcttc ttgaagttct tgttcatgga 120  
gaaccagaga gacnatgata tggttgagta cttcggtgag caattgtcag gctttgcctt 180  
cactgttaat gggtaggtnc natectatgg ttcccgttgt gtgaagccac caatcatcta 240  
tggatgatgtg agccgccccaa agccaatgac tgtcttctgg tcatctctgg ctcagagctt 300  
taccaagcgc cc 312

<210> 2926  
<211> 287  
<212> DNA  
<213> Glycine max

<223>        unsure at all n locations  
<400>        2926

tgcgcangcac gcgtacgtna gctcgggaatt cggctcgagc aagtgggttcg acaccaacta    60  
ccactggnat tgtccctgaa ttggggccctg atgtgaactt cacctatgct tctcacaagg    120  
ctgttgatga atacaaggag gccaaaggcgc ttggagtgga taccattccc gtactcgttg    180  
gccctgttac atacttgttg ctctccaagc ctgccaaagg agtcgagaaa tcctttttctc    240  
tcctctctct ccttcccaag gttcttgctg tctacaagga agttatt                      287

<210>        2927  
<211>        258  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        2927

aagccaccga tcatctatgg tgatgtgagc cgcccaaagc caatgaccgt cttctgggtca    60  
tctctggctc agagctttac caagcgccca atgaaggga tgcttaccgg tcctgttacc    120  
attctcaact ggtctttgtt agaaaatgac caacctagat ctgagacaac taccagattg    180  
ctttgtctat ccaaggacga ntnggaagac cttgaaaagg ctggcatcac tggtatccaa    240  
attgatgaag ctgctttg    258

<210>        2928  
<211>        335  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        2928

gtcgcangca cgcgtacgtn agctcgggaa ttcggctcga gctggaattg gccctgggtg    60  
ctatgacatc cactccccaa gaataccacc aactgaagaa atcgctgaca gaatcaataa    120  
gatgcttgca gtgctcgaga agaacatctt gtgggtcaac cctgactgtg gtctcaagac    180  
ccgcaagtac actgaagtga agccagccct cacaacatg gttgccgcag caaaactcat    240  
ccgtaacgaa cttgccaagt gaatggtata agaaagtaga atctacaagt tcattggttc    300  
tgcttttata atacaccaa gaaaaatttt ctata                                      335

<210> 2929  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2929

annntangta cgcgtacgta agctcggaat tcggctcgag caccaactac cactttattg 60  
 tccctgaatt gggccctgat gtgaacttca cctatggttc tcacnaggct gttgatgaat 120  
 acaaggnggc caaggcgctt ggagtggata ccattcccgt actcgttggc cctgttacat 180  
 acttgttgct ctccaagcct gccaagggag tcgagaaatc cttttctctc ctctctctcc 240  
 ttcccaaggt tcttgctgtc tacaaggaag ttattgctg 279

<210> 2930  
 <211> 282  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2930

gtcgcangca cgcgtacgtn agctcggaat tcggctcgag nctcgcctcc gatgagaagc 60  
 tctgtcagtc cttccgtgaa ggtgtgaagt atgggtgctgg aattggccct ggtgtctatg 120  
 acatccactc cccaagaata ccaccaactg aagaaatcgc tgacagaatc aatacgatgc 180  
 ttgcagtgct cgagaagaac atcttgtggg tcaaccctga ctgtggtctc aagaccgcga 240  
 agtacactga atgaagccag ccctcacaaa catgggtgccc gg 282

<210> 2931  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2931

ccttccaatc cttccaacca ccactattgg ntccttcct cagactgtag aactgaggag 60  
 ggtacgccgt gagttcaagg ctaacaagat ctccgaggaa gagtatgtta agtccaatta 120  
 aggaggaaat tcgcaaagtt gttgaacttc aagaagagct tgatattgat gttcttgttc 180  
 atggagaacc agagagaaat gatatggttg agtacttcgg tgagcattgt caggctttgc 240



ctcactgtta atgggtgggt g

261

<210> 2932  
<211> 298  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 2932

ctcccnacg tngcatgcac gcgtacgtna gctcgngaatt tcggctcgag gaaatccttt 60  
tctctcctct ctctccttcc caaggttctt gctgtctaca aggaagtatt tgctgacctt 120  
aaggcagctg gtgcttcatg gattcaattt gatgagccta cccttgtctt ggaccttgaa 180  
tctcacaagt tgcaagcttt cactgacgca tatgcagaac ttgcacctgc tttgtctgat 240  
ctgaatgttc ttgttgagac ctactttgct gacatccctg ctgaggcgta caagaccc 298

<210> 2933  
<211> 298  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 2933

tcgcangcac gcgtacgtna gctcggaatt cggctcgagc ttgttgctct ccaagcctgc 60  
caagggagtc gagaaatcct tttctctcct ctctctcctt cccaaggctt ttgctgtcta 120  
caaggaagtt attgctgacc ttaaggcagc tgggtgcttca tggattcaat ttgatgagcc 180  
tacccttgtc ttggaccttg aatctcaciaa gttgcaagct ttcactgacg catatgcaga 240  
acttgacact gctttgtctg atctgaatgt tcttggtgag actactttgc tgacatcc 298

<210> 2934  
<211> 269  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 2934

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gcaaggcgct tggagtggat 60  
accattcccg tactcgttgg ccctgttaca tacttggtgc tctccaagcc tgccaaggga 120

gtcgagaaat ccttttctct cctctctctc cttcccaagg ttcttgctgt ctacaaggaa 180  
 gttattgctg accttaaggc agctgggtgct tcatggattc aatttgatga gcctaccctt 240  
 gtcttggacc ttgaatctca caagttgcn 269

<210> 2935  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<400> 2935

tgctggaatt ggccctggtg tctatgacat ccactcccca agaataccac caactgaaga 60  
 aattgctgac agaatcaaca agatgctggc agtgctcgag aagaacatct tgtgggtgaa 120  
 ccctgactgt gggctcaaga cccgtaagta cactgagggtg aagccagccc tcacaaacat 180  
 ggttgccgca gcaaaactca tccgcaacga acttgccaag tgaatggtat aagaaagtag 240  
 aatcttccaa gtcatttgggt t 261

<210> 2936  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2936

cgtncgtnag ctcggaattc ggctcgagct tctggctcctc tctggctcag agctttacca 60  
 agcgcccaat gaagggaatg cttaccgggtc ctgttaccat tcncaactgg tcctttgtta 120  
 gaaatgacca acctagatct gagaccacct accagattgc tttgtctatc aaggacgaag 180  
 tggaagacct tgaaaaggct ggcactcactg ttatccaaat tgatgaagct gctttgagag 240  
 agggctctcca ctgaggaaat ca 262

<210> 2937  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2937

acgcgtacgt aagctcggaa ttcggctcga ggtgaagtat ggtgctggaa ttggccctgg 60

tgtctatgac atccactccc caagaatacc accaactgaa gaaattgctg acagaatcaa 120  
caagatgctg gcagtgctcg agaagaacat cttgtgggtg aaccctgact gtgggctcaa 180  
gacccgtaag tacactgagg tgaagccagc cctcaciaaac atggttgccg cagcaaaact 240  
ncatccgcaa cgaattgcca atgatggtat aagaaataga 280

<210> 2938  
<211> 244  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2938

angnncctca catctctgaa nggcgtcact gcatatgggn ttgatttgnt ccgtggancc 60  
catactcttg atttnatcaa ggggtggattt cccagtggaa aatacctctt tgctggagtg 120  
gttgatggaa ggaacatctg ggccaatgac cttgctgctt ctctcactac attgcagggt 180  
cttgagggat tgtgggcaaa gataagcttg ttgtgtccac ctctcctcc cttcttcaca 240  
ctgc 244

<210> 2939  
<211> 289  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2939

tctatgcacg cgtacgtnag ctcggaattc ggctcgagca atgactgtct tctggtcac 60  
tctggctcag agctttacca agcgcccaat gaagggaaatg cttaccggtc ctgttaccat 120  
tctcaactgg tcctttgtta gaaatgacca acctagatct gagaccacct accagattgc 180  
tttggctatc aaggacgaag tggaggacct gaaaaggctg gcatcactgt tatccaaatt 240  
gatgaagctg cttgagagag ggtctgccat gaggaaatca gaacaagct 289

<210> 2940  
<211> 301  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2940

ncgtcgcang cacgcgtacg tnagctcggg attcggctcg aggggtcccg ttgcgtgaag 60  
ccaccgatca tctatggtga tgtgagccgc ncaaagccaa tgaccgtctt ctggctcgtct 120  
ctggctcaga gctttaccaa gcgcccgaatg aagggaatgc ttaccgggtcc tgttancatt 180  
ctcaactggt cctttgttag aaatgaccaa cctagatctn cagaccacct accagattgc 240  
tttgtctatc aaggacgngt ggaagacctt gaaaaggctg gcatcactgt tatccaaatt 300  
g 301

<210> 2941  
<211> 295  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2941

tcgcatgcac gcgtacgtaa gctcgggaatt cggctcgagc cagattgctt tggctatcaa 60  
ggacgaagtg gaggaccttg aaaaggctgg catcactgtt atccaaattg atgaagctgc 120  
tttgagagag ggtctgccac tgaggaaatc agaacaagct cactacttgg actgggctgt 180  
ccatgccttc agaatcacca atgttgggtg gcaggatacc actcagatcc acaccacat 240  
gtgtactcca antcaacgac atcatnccat ccatcanggg atngggcggc gattt 295

<210> 2942  
<211> 295  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2942

cgtcgcangc acgcgtacgt nagctcggna ttcggctcga gngcgtacaa gancctcaca 60  
tctctgaatn gcgtcantgc atatgggttt gatttagtcc gtggaacca tactcttgat 120  
ttgatcaagg gtggatttcc cagtggaaaa tacctctttg ctggantggt tnatggangg 180  
nncatctggg ccaatgacct tgcngentct ctcacnacat tncagggtct tgagggcatt 240  
gtgggcnaag atannctngt tgtgtccacc tctccnccc ttcttcacac tgctg 295

<210> 2943  
<211> 269

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2943

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ttattgctga ccttaaggca 60  
 gctggtgctt catggattca atttgatgag cctacccttg tcttggacct tgaatctcac 120  
 aagttgcaag ctttactga cgcataatgca gaacttgacac ctgctttgtc tgatctgaat 180  
 gttcttgttg agacctactt tgctgacatc cctgctgagg cgtacaagac cctcacatct 240  
 ctgaatggcg tcactgcata tgggtttga 269

<210> 2944  
 <211> 312  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2944

tcgcangcac gcgtacgtaa gctcggaatt cggctcgagc tgggtgtctat gacatccact 60  
 cccaagaat accaccaact gaagaaattg ctgacagaat caacaagatg ctggcagtgc 120  
 tcgagaagaa catcttgtgg gtgaaccctg actgtgggct caagaccctg aagtacactg 180  
 aggtgaagcc agccctcaca aacatgggtg ccgcagcaaa actcatccgc aacgaacttg 240  
 ccaagtgaat ggtataagaa agtagaatct tccaagtcac ttggttctgc tttatattat 300  
 aatacaccaa ag 312

<210> 2945  
 <211> 320  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2945

gangcacgcg tacgtnagct cggaattcgg ctcgagccca gcggaaaata cctctttgct 60  
 gncagtgggt gatggaagga acatctgggg caatggacct ttgtggnttc tcctcactac 120  
 cttggcaggg tcttganggg cattgtgggc aaagataagc ttgttgtgtc cacctcctcc 180  
 tcccttcttc aactgctgt tgaccagtt aacgagacca agttggatga tgagatcaag 240

tcatggctag cttttgctgc ccaaaaaaat tgttgaagtt aacgcattgg ctaaagcatt 300  
gtctggccac aaggatgagg 320

<210> 2946  
<211> 299  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 2946

nnangcatgc acgcgtacgt aagctnggaa ttcggctcga gctgaatgnn gtcactgnca 60  
tatgggnttg atttggtccg tggaacccat actgcttgat ttgatcaagg gtggatttcc 120  
cagtggaaaa tacctctttg ctggagtggg tgatggaagg aacatctggg ccaatgacct 180  
tgctgcttct ctactacat tgcaggggtct tgagggcatt gtgggcaaag ataagcttgt 240  
tgtgtccacc tctctctccc ttcttcacac tgctgttgat ccttgtaac gagaccaag 299

<210> 2947  
<211> 269  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 2947

aataatatgc acgcgtacgt aagntcggaa ttcggctcga gacaagttgc aagcattcac 60  
tgacgcntat gcagaacttg cgcctgcttg ggggtggttn aatgtncctg ttgagaccga 120  
ctttntgac atccctgctg aggcatacaa gaccctcaca tctctgaatg gcgtcactgc 180  
atatggattt gatttgggtcc gtggaaccaa cactcttgat ttgatcaagg gtggatttcc 240  
cancggaaaa tacctctttg ctggagtgg 269

<210> 2948  
<211> 294  
<212> DNA  
<213> Glycine max

<400> 2948

tcgcatgcac gcgtacgtaa gctcgggaat tcggctcgag attggatcct tccctcagac 60  
tgtagaactg aggaggggtac gccgtgagtt caaggctaac aagatctccg aggaagagta 120

tgттаagtca аттаaggagg aaattcgcaa agttgttgaa cttcaagaag agctgatatt 180  
 gatgttctgt tcatggagaa ccagagagaa atgatatggt tgagtacttc ggtgagcaat 240  
 tgtcaggctt tgcttcactg ttaatgggtg ggtgcatcct atggttcccg ttgt 294

<210> 2949  
 <211> 280  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2949

nacntngcat gcacgcgtac gtaagctcgg aattcggctc gaggttacca ttctcaactg 60  
 gtcctttggt agaaatgacc aacctagatc tgagaccacc taccagattg ctttgtctnc 120  
 caaggacgaa gtggaagacc ttgaaaagnc tggcatcact gttatccaaa ttnatgaagc 180  
 tgctttgann gagggctctc cactnnggaa atcagagcan ntcactactt ggancgggct 240  
 gtccatntnt tcagaatcac nnntgttggt gtccnngata 280

<210> 2950  
 <211> 274  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2950

atgcncgcgt acgttagctc ggaattcggc tcgagcattc ccgtactcgt tggccctgtt 60  
 acatacttgt tgctctccaa gcctgccaaag ggagtcgaga aatccttttc tctcctctct 120  
 ctcttccca aggttcttgc tgtctacaag gaagttattg ctgaccttaa ggcagctggt 180  
 gcttcatgga ttcaatttga tgagcctacc cttgtcttgg acttgaatct cacaagttgc 240  
 aagctttcat gacgcatatg cagaattgca ctgt 274

<210> 2951  
 <211> 270  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2951

ncgtcgcgtg cacgcgtacg taagctcggg attcggctcg agcttgtctt ggaccttgaa 60

tctcacaagt tgcaagcttt cactgangca tatgcagaac ttgcacctgc tttgtctgat 120  
ctgaatgttc ttgttgagac ctactttgct gacatccctg ctgaggcgta caagaccctc 180  
acatctctga atggcgctcac tgcataatggg tttgatttgg tccgtggaac ccatactctt 240  
gatttgatca aggggtggatt tcccagtgga 270

<210> 2952  
<211> 549  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2952

gtggggggcgn gnnntttccc ctanggggaat aagtagnact ttattttnaac cnttnngaac 60  
tcncgggtcg acccacgcgt ccggcagatc tgagaccacc taccagattg ctttgtctat 120  
caaggacgaa gtggaagacc tggaaanggc tggcatcact gttatccana ttgatgaagc 180  
tgctttgaga gagggctctc cactgaggaa atcagagcaa gctcactact tggactgggc 240  
tgtccatgcc ttcagaatca ccaatgttgg tgtccaggat accacccagg tacactcttt 300  
tggatcatcg canatcactg aattanaaat tttttttggt natcctnatt ttcacatatg 360  
tttggmataa ncaantttnc gtatngacag atccannact canatgtgnc tactcggact 420  
tcaancgact ntnntccaat tncattannt nancntggan tgcntgangt ntatgnnenn 480  
nttnnnannt ttntgtngna tganaagtag gttntntttn atngntatag tnnnanggtt 540  
ttnttgtn 549

<210> 2953  
<211> 317  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 2953

nntcgcatgc atgcgtacgt nagctcgaa ttcggctcga gctcgagccg attcggtcgc 60  
agttccaatc ctgctcaacc accacnnttg gatccttccc tacagactgt agaactgagg 120  
anggtacgcc gtgaattcna ggctaacaag atctccgagg aagagtatgt naagtcaatt 180  
aaggaggaaa ttcgcaaagt tggtgagctt caagaagagc ttgatattga tggtcttgtt 240



catggagaac cagagagaaa tgatatgggt gagtnttcgg tgaacaattg tcaggcttgc 300  
 ttcaccgtta atgggtg 317

<210> 2954  
 <211> 321  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2954

anatcgcan cagcgtacg taagctcgga attcggctcg agttgngcnc tgntgtggac 60  
 ttcacctatg ctttctcana aggctgtnga tgaatacnag gngggccaag ggcgcttnga 120  
 gtggatacng ttccggnct cgttggcnct gttacatagc tgttgctctc caagcctgcc 180  
 aaggagattg ngaaatcctn ttctctctc tctctcctc ncaaggttct tgctgtctac 240  
 aaggaagtta ttgntgacct taaggcagct ggtgcttcat ggattcagtt tgatgagcct 300  
 acccttggtc ttggacctg n 321

<210> 2955  
 <211> 318  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2955

gtcgngcan gngtacgtnn agctcggaat tcggctcgag gtgagggtac gccgtgaatt 60  
 caaggctaac aagatctccg aggaagagta tgtaaagtca attaaggag gaaattcgca 120  
 aagttgttga gcttcaagaa gagcttgata ttgatgttct gttcatggag aaccagagag 180  
 aaatgatatg gttgagtact cgggtgaacaa ttgtcaggct tgcctcaccg ttaatgggtg 240  
 ggtgcaatcc tatggttccc gttgcgtgaa gccaccgatc atctatggtg atgtgagccc 300  
 cccaaagcca tgaccgtc 318

<210> 2956  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 2956

ncgcatgcac gcgtacgtna gctcgggaatt cggctcgagg gaggccaagg cgcttgaggt 60  
ggataccggt cccgtcctcg ttggccctgt tacatacctg ttgctctcca agcctgccaa 120  
gggagttgag aaatcctttt ctctcctctc tctccttccc aaggtcttgc tgtctacaag 180  
gaagttattg ctgaccttaa ggcagctggt gcttccatgg attcagttgg nggagctaac 240  
cctggtctgg gacctgnngt 260

<210> 2957

<211> 247

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2957

cgtcgcangc acgcgtacgt aagctcggaa ttcggctcga gctgccactg aggaaatcag 60  
aacaagctca ctacctgga ctgggctgtc catgccttca gaatcnnena tnttgngng 120  
cangatacna ctacagatcca caccacatg tgctactcca acttcaacga catcatccac 180  
tccatcatcg acatggacgc tgatgttatc accattgaga actctcgtc cgcntgagaa 240  
gctcctg 247

<210> 2958

<211> 187

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2958

gggaatgctt ancggctcntg ttancantct caannggtcc tttgttagaa atgaccaacc 60  
tagatctgag accanctacc agattgcttt gtctatcaag gacgangtgg aagacntga 120  
aaaggctggc atcantgtna tccaaattga tgaagctgct tggagagagg gttncaccagt 180  
gangaat 187

<210> 2959

<211> 250

<212> DNA

<213> Glycine max

<223>        unsure at all n locations  
 <400>        2959

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aataccacca actgaagaaa ttgctgacag aatcaacaag atgctggcag tgctcgagaa   60
gaacatcttg tgggtgaacc ctgactgtgg gctcaagacc cgtaagtaca ctgaggtgaa  120
gccagccctc acaaacatgg ttgccgcagc aaaactcatc cgcaacgaac ttgccaagtg  180
aatgggtata ggaagtngan tttccaagtn atgggggtccg ntttaattta aaaccccccc  240
aaaaaaattt                                     250
```

<210>        2960  
 <211>        293  
 <212>        DNA  
 <213>        Glycine max

<223>        unsure at all n locations  
 <400>        2960

```
gtcgcangca cgcgtacgta agctcggaat tcggctcgan ctcgagccga atcggctcga   60
gataccacca actgaagaaa ttgccgacag aatcaacaag angctggcag tgctcgagaa  120
gaacatcttg tgggtgaacc ctgactgtgg gctcaagacc cgtaagtaca ctgaggtgaa  180
gccagccctc acaaacatgg ttgccgcagc aaaactcatc cgcaacgaac ttgccaagtg  240
aatgggtataa gaaagtagaa tcttccaagt catttggttc tgctttatat tat         293
```

<210>        2961  
 <211>        261  
 <212>        DNA  
 <213>        Glycine max

<223>        unsure at all n locations  
 <400>        2961

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cnagnattca ctgacgcata tgnagaactt gcgccacgct ttgtctggtt tgacatgttc   60
ttnttgagac ctactttggc tgacatccct gctgaggcat acaagaccct cacatctctg  120
aatggcgtca ctgcatatgg atttgatttg gtccgtggaa ccaanactct tgatttgatc  180
aaggggtggat ttcccanggg aaaatacttt tttgggggan tgntgatgga aggancattg  240
ggccaatgac tttgctgttt t                                     261
```

<210>        2962  
 <211>        277

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 2962  
  
 ngtcgcatgc acgcgtacgt aagctcggaa ttcggntcga gggagtggat accgttccgg 60  
 tctctgntgg ccctntnaca tacctgttgc tntccaagc ctgccaaggg agttgagaaa 120  
 tcctttctct cctctntntn cttcgnaagg ntnttgcngt ctanaaggaa gtnattgntg 180  
 accttaaggc agctggtgct tcatggattc agtttgatga gcctaccctt gtcttgacc 240  
 ttgngtetca caagttgcaa gcattcagtg ccgcana 277  
  
 <210> 2963  
 <211> 293  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 2963  
  
 agactgtaga actgaggagg gtacgccgtg agttcaaggc taacaagatc ctccgaggaa 60  
 gagtatgtta agtccaatta aggaggaaat tcgcaaagtt gttgaacttc aagaagagct 120  
 tgatattgat gttcttgttc atggagaacc agagagaaat gatatggttg agtacttcgg 180  
 tgagcaattn tnaggctttg cttcactgt taatggntgg gtgcantcca tggttcccg 240  
 tgtgtgaagc aacaatnnac caaggnnatt aaccgcgcca aagccattga ctt 293  
  
 <210> 2964  
 <211> 227  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 2964  
  
 accaactgaa gaaattgctg acagaatcaa caagatgctg gcagtgctcg agaagaacat 60  
 cttgtgngtg aaccctgact gtgggctcaa gaccgtaag tacactgagg tnaagccagc 120  
 cctcaciaac atggttgccg cagcaaaact catccgcaac gaacttgcca agtgaatggt 180  
 ataagaaagt agaatcnnac caagtcattt ggttctgctt tatatta 227  
  
 <210> 2965

<211> 290  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2965

ntcgcangca cgcgtacgta agctcggaaat tcggctcgag gtgaccaacg aggctgttca 60  
 gaaggntgct gctgcattga agggtncaga tcatcgccgt gcaacaaatg tcagtgccag 120  
 actggattct caacaaaaga agctcaacct tccaatcctg nccaaccacc actatnggat 180  
 ccttccttca gactgtagaa ctgaggaggg naggcngngaa ttcaaggcta acaagatctc 240  
 cgaggaagag tatgtaaagt caattaagga ggaaattcgc aaagttgttg 290

<210> 2966  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2966

aagacctcac atctctgant gtncgtcant gcatatgggt ttgatttggt ccgtggaagc 60  
 atactcttga tttgatcaag ggnggatttc ccagtggaga atacctcttt gctggagtgg 120  
 ttgatggaan gaacatcngg gccaatgacc ttgctgcttc tcnactaca tgcaggggtct 180  
 tgagggcatt gtgggcaaag ataagcttgt tgtgnccacc tennoctccc ttctcacact 240  
 gctgtngatc ntgtna 256

<210> 2967  
 <211> 330  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2967

gtcgcacgca cgcgtacgta agctcggaaat tcggctcgan nctcgaaccg ctcgagcggc 60  
 tcgancgggc tcgagatcca ctccccactg aataccacca actnctagan attncctgac 120  
 agaatcaaca agatgcacgc agtgctcgag aagaacatct tgtgggtgaa ccctgactgt 180  
 gggctcaaga cccgtaagta cactgaggtg aagccagccc tcacaaacat gggtgccgca 240  
 gcaaaactca tccgcaacga acttgccaag tgaatggtat aagaaagtag aatcttccaa 300

gtcatttggt tctgtttata ttataataca

330

<210> 2968

<211> 306

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2968

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attgggccct gatgtgaact tcacctatgn cnctcacaag gctgttgatg aatacaagga 120

ggccaaggcg cttggagtgg ataccgttcc ggtcctcgtt ggccctgtta catacctgtt 180

gctctccaag cctgccaagg gagtnagaaa gccntttcgc tcnctctctt ccggcccaag 240

gacttgctgt cnacaaggaa gnnattgcng accngaangc agcnggngca tcanggatca 300

gttnga 306

<210> 2969

<211> 215

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2969

tnagctcgga attcggctcg agcanggcgt tggagtggat accgttccgg tcctcgttgg 60

ccctgttaca tacctgttgc tcctccaaag cctgccaagg gagttgagaa atccttttct 120

ctcctctctc tccttcccaa gggtcttgcgt gtctacaagg aagttattgc tgaccttaag 180

gcagctggtg cttcatggat tcagtttgat gagcc 215

<210> 2970

<211> 172

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2970

ngtcgcatgc acgcgtacgt aagctcggaa ttcggctcga gcgcatatgc agaacttgcg 60

cctgctttgt ctggtttgaa tggtcttgtt gagacctact ttgctgacat ccctgctgag 120

gcatacaaga ccctcacatc tctgaatggc gtcactgcat atggatttga tt 172

<210> 2971  
 <211> 170  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2971

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ngcttctcac aaggctgttg 60  
 atgaatacaa ggaggccaag gcgcttgag tggataccgt tccggtcctc gttggccctg 120  
 ttacatacct gttgctctcc aagcctgcc aaggagttga gaaatccttt 170

<210> 2972  
 <211> 321  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2972

gtcgcangcn cgcgtacgtn agctcgtaa ttcggctcga gnacttgtn gctctccaag 60  
 cctgnccaag ggagtcgaga aatccctttt ctctcctctc tctccttccc aaggttcttg 120  
 ctgtctacaa ggaagttatt gctgacctta aggcagntgg tgcttcatgg attcaatttg 180  
 atgagcctac cctgtctgga ccttgaatct cacaagttgc aagctttcac tgacgcatat 240  
 gcagaacttg gcacctgctt tgtctgatct gaatgttctt gtngagacct atcntgctga 300  
 catccctggt gngngtana a 321

<210> 2973  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2973

tacaaggagg ccaaggcgct tggacgtgga taccgttccg gtctgcggt ggccctgtta 60  
 aatacctggt gctctccang cctgncaang gagttgagaa atccttnnct ctctctctc 120  
 tccttcccaa ggttcttgct gtctacaagg aagttattgc tgaccttaag gcagtgggtgc 180  
 ttcatggatt cannttnatg agtctacnct gtnttggact tgagtctcac aagttg 236

<210> 2974  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2974

actcnanncn cncntncgtn agcncggmnt tcggctcnag nttggntcnt tcnctcagac 60  
 tgtanaacng ngnagggtac gccgtnaatt caaggctaac aanatctgcn gnggangagt 120  
 atntaaagtc aattanggag gaaattcgca aagttgttga gcttcaagaa gagcttgata 180  
 ttgatgttct tgttcatgga gaaccagcga nanatgntat ggttnagtcc c 231

<210> 2975  
 <211> 313  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2975

tnntngcacg cgtacgtaag ctcggaattc ggctcgagat gttgtaatat ttattctgct 60  
 gttactcatg gcttcttttc tttcctctca ggctgctgca ttgaagggtt cagatcatcg 120  
 ccgtgcaaca aatgtcagtg ccagactgga ttctcaacaa aagaagctca accttccaat 180  
 cctgnccaac caccactatt ggatccttcc ctcagactgt agaactgagg agggtagccc 240  
 ggaattcaag gctaacaaga tctccgagga agagtatgta aagtcaatta aggaggnnat 300  
 tcgcaaagtt gtt 313

<210> 2976  
 <211> 184  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2976

atncagcgta cgtaagtcgg aattcggctc gagcagagtt taccaagcgc ccaatgaagg 60  
 gaatgcttac cggctctgtt ancattcttc aactggctct ttgttagaaa tgaccaacct 120  
 agatctgaga nccantacca gattgctttn ggctatcaaa gacgaantng agggnncttg 180



aaaa

184

<210> 2977  
<211> 314  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 2977

nngtngcang cacgcgtacg taagctcgga attcggctcg aggggtgaacc ctgactgtgg 60  
gctcaagacc cgtaagtaca ctgagggtgaa gccagccctc acaaaccatgg ttgccgcagc 120  
aaaactcatc cgcaacgaac ttgccaagtg aatgggtataa ganagtagaa tcttccaagt 180  
catttggttc tgctttatat tataatacac caaagaaaaa ttttctctat attgggttgt 240  
ttcaataact gtgtgtggaa tatttaggtg tcttagcatg ctctgtgagc aattgattct 300  
tcctcaaccc ctcc 314

<210> 2978  
<211> 153  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 2978

ncgcatgcac gcgtacgtaa gctcggaatt cggctcgagg tgaccaacga ggctgttcag 60  
aaggctgctg ctgcattgaa ggggttcagat catcgccgtg caacaaatgt cagtgccaga 120  
ctggatttct caacaaaaga agctcaacct tcc 153

<210> 2979  
<211> 280  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 2979

gtcgtgcnc gcgtaagtcg gctcgnntt cggntcngg ttattgctga ccttnaggca 60  
gctggtgctt catggattca gtttgangag cctnnncttn tnttggaacc ngngnanaa 120  
ngnnnganga nnnccgngag gaanatggga attntgcgcg tacttngnnn ngntgaang 180  
annntnatna naccctctnt nntggaatac cnnatngngn aaccngaac cctnncatct 240

ctggaatggc gnnatgcbga tggattgatn agtcngtgga 280

<210> 2980  
 <211> 102  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2980

ccccagtg anaatacctc nttgctggag tggttgatgg aaggaacatc tgggccaatg 60  
 accttgctgc ttctctccac tacattgcag ggtcttgagg gc 102

<210> 2981  
 <211> 288  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2981

gtcgangtgc acgcgtacgt aagctcggaa ttcggctcga gccacagtca gggttcaaga 60  
 cccgtaagta cactgagggtg aagccagccc tcacaaacat ggttgccgca gcaaaactca 120  
 tccgcaacga acttgccaag tgaatggat aagaaagtag aatcttccaa gtcatttggt 180  
 tctgctttat attataatac accaaagaaa aattttcccc atattgggtg nttcnataac 240  
 tgnngtgga atatttangt gncttagcat gctctgtgag caattgat 288

<210> 2982  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<400> 2982

agctcgaat tcggctcgag cgtaagtaca ctgaggtgaa gccagccctc acaaactgg 60  
 ttgccgcagc aaaactcatc cgcaacgaac ttgccaagtg aatggtataa gaaagtagaa 120  
 tcttccaagt catttggttc tgctttatat tataatacac aaagaaaaat tttctctata 180  
 ttgggttggt tcaataactg tgtgtggaat atttaggtgt cttagcatgc tctgtgagca 240  
 attgattctt cctcaacccc 260

<210> 2983  
 <211> 323  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2983

gtcgnngcac gcgtacgtaa gctcgggaatt cngctcgagc tctgcactct ctcctttctca 60  
 tctctttctc ttcgcttctc tgttcgtgcc acttcttctc cgagcaatgg gcatctcata 120  
 ttgttggtta tccacgcatg ggacccaaga gagaacttaa gtttgctttg gaatcttttt 180  
 gggatggaaa gagtagtgct gatgatctgc agaaggttgc tgctgacctt aggncagcca 240  
 tctggaagca gatggctgat gctggaataa agtatattcc tagcaacact ttctcatact 300  
 atgatcaagt actggacaca acn 323

<210> 2984  
 <211> 335  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2984

ngtcgcangc acgcntacgt nagctcggaa ttcggctcgn nctcgctctg cactctctct 60  
 ttctcatcct attctcttcg cttctctgtt cgtgccactt cttctnecag caatggcatc 120  
 tcatattgtt ggttatccac gcatgggacc caagagagaa cttaagtttg ctttggaatc 180  
 tttttgggat ggaaagagta gtgctgagga gctgcagaag gttgctgcag accttaggtc 240  
 agccatctgg aagcagatgg ctgatgctgg aataaagnat attcctagca acaccttctc 300  
 actttacgat caagtatgga cacaacagcc atgct 335

<210> 2985  
 <211> 297  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2985

ngtngcatgc acgcgtacgt aagctcggaa ttcggctcga ggtttacgat ctactctgc 60  
 actctctcct tctcatcctc ttctcttcgc ttctctgttc gtgccacttc ttctcgagca 120

atggcatctc atattgttgg ttatccacgc atgggaccca anagagaact taagtttgc 180  
 ttggaatctt tttgggatgg aaagagtagt gctgatgac tgcagaaggt tgctgctgac 240  
 cttagggtcag ccactctggaa gcagatggct gatgctggaa taaagtatat tcctagc 297

<210> 2986  
 <211> 327  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2986

nnttancaag cgtangtaag ctcggaattc ngctcgagct cactctgcac tctctcctct 60  
 ctcactcctcg tgtctncgc ncnntcggnc ngcnattccg tcccagacna tggcatctca 120  
 tattgtnggt tatccacgca tggccnccca ngagaganct taagtngct ttggaatctt 180  
 tttgggatgg aaagagtagt gctgatgac tgcngaaggt tgctgctgac cttagggtcag 240  
 ccactctggaa gcagatggct gatgctggaa taaagtatat tcctagcaac actttctcat 300  
 actatgatca agtactggac acaacag 327

<210> 2987  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2987

cnatcgang cangcgtacg taagctcgga attcggctcg aggtgaagtg antagtataa 60  
 atntacaaan tcnctncan tcattgtgtg gcgcggttna cattctcgt ctgcactctc 120  
 tctttctcat cctnntctct tcgntctct gtncgtgcc cntcttctcg agcaatggca 180  
 tctcatattg ttggttatcn acgcatggna cccaagagag aacgtaagtt ngcttnggan 240  
 tctntttggg atggaaagag nagtgctgag gagctgcaga aggttgctgc agaccttagg 300  
 tgagccatct tgaan 315

<210> 2988  
 <211> 306  
 <212> DNA  
 <213> Glycine max

<400> 2988

```
agtcgcatgc acgcgtacgt aagctcggaa ttcggctcga ggattattaa tcgtatcagt 60
gaaagaagta agaagagaga gaagtgaagt tagtagtata aatgtacaaa ctctcctcta 120
ttcagtgtgt ggcgccggtt acgatctcac tctgcaactct ctcttctca tctcttctc 180
ttcgcttctc tgttcgtgcc acttcttctc gagcaatggc atctcatatt gttgggttatc 240
cacgcatggg acccaagaga gaacttaagt ttgctttgga atctttttgg gatggaaaga 300
gtagtg                                           306
```

<210> 2989

<211> 264

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2989

```
gtcgcangca cgctacgtn agctcggaat tcggctcgag ctctgcactc tctctttcnc 60
atcctattct cttegtttct ctgtnccgtg ccacttcttc tcgagcaatg gcatctcata 120
ttgttggtta tccacgcatg ggacccaana gagaacttaa gtttgctttg gaatctttgg 180
gatggaaaga gtagtgctga ggagctgcag aaggttgctg cagaccttag gtcagccatc 240
tggaagcaga tggctgatgc tggg                                           264
```

<210> 2990

<211> 316

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2990

```
tacgcgtacg taagctcgga attcggctcg agcttctttc cctaattgac aagatccttc 60
ctgtctacag ggagngtggt gctgaattga aggcagctgg tgctacttgg atccagtttg 120
atgaacctac ccttgtgaag gatctcaana cccaccagtt acaagcattt acacatgnct 180
atgcagagct agagtcaagt ttatctgggt ttaatgttct gattgagana tactttgctg 240
atgtccctgc tgaagcatac aaaacactca cctctttgaa ggctgttact gcatatgggt 300
ttgatattgt tcgtgg                                           316
```

<210> 2991  
 <211> 321  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2991

caanatacat gcacgcntac gtnagctcgg aattcggctc gagggcagct ggtgctactt 60  
 ggatccagtt tgatgaacct acccttgtga aggatctcaa caccaccag ttacaagcat 120  
 ttacacatgc ctatgcagag ctagagtcaa gtttatctgg ttttaatggt ctgattgaga 180  
 cataactttgc tgatgtccct gctgaagcat acaaaacact cacctctttg aaggctgtta 240  
 ctgcatatgg gtttgatatt gttcgtggaa caaagaccct ggatttggtc naggcaggtt 300  
 ttcccnccggg gaaatntttt t 321

<210> 2992  
 <211> 331  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2992

ttgcangcac gcgtagtaag ctcggaattc ggctcgagnn tctttcccta attgacaaga 60  
 tccttcctgg tctacagga ggtngttgct gaattgaagg cagctgggtgc tatttgatc 120  
 tagtntgatg aacctacct tgtgaaggat ctcaacaccc accagttaca agcatttaca 180  
 catgcctatg caganctaga gtcaagttta tctgggttta atgttctgat tgagacatac 240  
 tttgctgatg tcctgctga agcatacaaa aactcacct ctttgaaggc tgttactgca 300  
 tatgggtttg atattgttcg tggaacaaag a 331

<210> 2993  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2993

gatcgacatg cttgggctgg agaatacccc ggcgtgaagc gcatcaccat caagcccaaa 60  
 actgacagat ggggtctcct gagaccaaca cggtatcatg tcttggctga gggctgattg 120

atgaacttgg atgcgcaatg gaaaccccag tttggagtct gttcctcaac naccagtcac 180  
 tgtcacttag tgtgaagggg natacgnagt acgagagagt tagttgcccga gactgagaga 240  
 gtgtgcntta ctggcaattg gactagtgcc actacagccg gtgt 284

<210> 2994  
 <211> 297  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2994

cangcacgcg tacgtaagct cggnatctcg ctcgaggggc cccgnacggc ggccccgacc 60  
 tnatcgctga cgacggaggc gacgccaccc tcctcatcca cgagggcgctc aaggccgagg 120  
 agctctatga gaagaccggg gaactccccg accctaactc cactnanaat ncnaannntc 180  
 cagatcgctgc ttaccnnan cangganngg ttgaanaccg atcncaccan gtaccgnaag 240  
 atgaaggncg gtctcgcttg ggtttctgag aaaccaacac tgggtgtaag agnctat 297

<210> 2995  
 <211> 318  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 2995

ngtcgcatgc acgcntacgt aagctcggaa ttcggctcga gtgagaagac cggggaactc 60  
 cccgacccta actccactga caacgccgag ttccagatcg tgcttaccat catcagagat 120  
 ggggtgaaga ccgatccac caggtaccgc aagatgaagg agcgtctcgt tggggtttct 180  
 gaggaaaanc aaccactggg gttaaagang gctaaatccg gatgncaggc gaatggggat 240  
 tctantcntt ccctgnngat aaatgtcaat gagannctnt tcncnaaggc ccangtttgn 300  
 aaanttttna cgggnccg 318

<210> 2996  
 <211> 288  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations

<400> 2996

cgtcgcangc acgcgtacgt aagctcggaa ttcggctcga gcccgaaccc anctccaccg 60  
ncaacgccga gtttcanatc gtgcttacna tcatcagaga tgggttgang accgatccca 120  
ccaggtaccg caagatgncg gngcgtctcg ttgggggtnc tgagggnacc accactggng 180  
tnangaggct ctatnagatg naggcgaatg ggnctcttct cttccctgcn attnntgtna 240  
atgacnngtc nccangagca agtttgacaa cntgtatngg tgccgtca 288

<210> 2997

<211> 334

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2997

cgtcgcngca cgcgtacgtn agctcggaa ttcggctcga tcaacatcaa gcctcaaaca 60  
gacagatggg ttttccccga taccaagagg gggatcatcg tgttggcaga gggtcgtttg 120  
atgaacttgg ggtgtgccac gggacacccc agctttgtga tgcgtgctc cttcaccaac 180  
caggtcattg ctcagcttga attgtggaaa gagaagggtt ctgggaagta tgagaagaag 240  
gataatnnat nccaagcac ctnacgagaa agnngcntna nanctaccat tgccagcatt 300  
gagcnntgcg naccaagcgt tccaaagacc aagc 334

<210> 2998

<211> 277

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2998

gcacgcgtac gtaagctcgg aattcggctc gagcggagtt ccagatcgtg ctgagcatca 60  
tcagggatgg cttgaagacc gatcccaaga ggtaccacaa gatgaaggac agaatcgtcg 120  
gtgtctccga agaaaccacc accggtgtca agaggctcta ccagatgcag gccaatggct 180  
ccctcttggt ccttgccatc aacgtcaatg actcggtcac caagagcaag tntgataact 240  
tgtatggatg ccgtcactcg cttcccgatg gactgat 277

<210> 2999



<211> 293  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 2999

tcgcangcac gcgtacgtaa gctcgnaaat tcggctcgag ctgagccctt caagggggcc 60  
 cgcatacccg gctcccttca catgaccatc cagaccgctg tcctcatcga gaccncanc 120  
 gttctnggcg ncgtgggttcn ntngtgctcc tnnaanntnt tcnccattna gnnncncanc 180  
 gcngtcgcna tcgcncgtnt cagcgtccgc tgtctacgcc tgtaatggtg atacctcca 240  
 tgagtactnt tgggtcacng atgngccctc gatgggnccc cggcggcngn ccc 293

<210> 3000  
 <211> 288  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3000

gcgaangcat gcacgcgtac gtaagctcgg aattcggctc gaggccagct tggagctagg 60  
 ctaccaagc tttccaaaga ccaagctgat tacatcagtg tgctgttga gggtcatac 120  
 aagcctctc actacaggta ctgatccatc ctattnnngg agaataaacc taaactattn 180  
 tatcaattcc cgaggntca ttgttacct ttcctttttg gattttttcc attacaattt 240  
 acntttgtgg tagcatcgga gcttcttttt tcttttttag tannatca 288

<210> 3001  
 <211> 286  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3001

gcangcacgc gtacgtaagc tcggaattcg gctcgaggtc tccgaggccg acatcttcgt 60  
 caccaccaca gggaacaagg acattatcat gcttgaccac atgaagaaga tgaagaacaa 120  
 tgccatcgtg tgcaacattg gccacttcga caacgaaatc gacatgctgg ggcttgagac 180  
 ctgccctggt gtgaagcgca tcaacatcaa gcctcanacn gacagatggg ttttccccga 240  
 taccaagagg gggatcatcg tgttggcaga gggtcgtttg atgaan 286

<210> 3002  
 <211> 294  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3002

acgncgcang gacncgtaag ntcagggtctc nagctcgngg cnaggatccc aagaggtacc 60  
 acaacgnnga aggacagaat cgtcggtgtc tccgaagana ccaccaccgg tgtcaagagg 120  
 ctctaccaga tgcnggcnaa tggctccctc ttgttccctg ccatcaacgt caatgactcg 180  
 gtcaccaana gnangtttga taacttgtnt ggatnccgtc actcgcttcc cgatggactg 240  
 atgagagcca ctgatntgat gattgccgga aaggnaagctg ttgtgtgtgg ctac 294

<210> 3003  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3003

gtcacacgag gtcccgatag antgatgaan cgccactgat gtgatgatng ccggaaaggt 60  
 agcagttgng gnnngcaccg agangnggca aggnntagnnc ancgnaana ngnaaacng 120  
 ggencgtgtc atngtcancg agatngatcc catntntncc cttnaggcnc taatgncggg 180  
 tcttcaggtt ctcaccctgg aagatgtngt ctccgaggcc gacatcntcg tcaccancac 240  
 aggaacaag gacatt 256

<210> 3004  
 <211> 302  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3004

gtngcannca cgcgtacgta agctcggaat tcggctcgaa ngggccccgg cggcgggccc 60  
 gacctcatcg tcgacgacgg aggcgacgcc ancctcctca tccacgaggg cgtcaaggcc 120  
 gaggagctct atgagnagac cggggaantc cncgnnccta antccactna caacgccgag 180

ttccagattg tgcttaccat catcagngat gggtnnaana angatccan naggtaccgn 240  
 aanntgaagg ancgtctcgt tggggtttct gangaaccce cgatggtgtt aagatgtana 300  
 nc 302

<210> 3005  
 <211> 313  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3005

aaancntcaa tcgcangcac gcgtacgtna gctcggaatt cggctcgagc agagatgggt 60  
 tgaagaccga tcccaccagg taccgcaaga tgaaggagcg tctcgttggg gttntctgagg 120  
 aaaccaccac tgggtgtaag aggctatatc agatgcagcg attgggatcc tattnttccn 180  
 ngnaattaat gtcaatgact ctgttaccac gancaatttg acaacttgta ccgggtgccg 240  
 tcantctctc cctgatggnc tantnaggcc tactnntgtg ntgttgntg gaaagttggn 300  
 ngtgttgcnt gat 313

<210> 3006  
 <211> 306  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3006

agtcgcatgc acncgtacgt aagctcgga ttcggctcga gggncgcgcat caacggctcc 60  
 ctccacatga cnatccagag gaggcgttnt cattgagann ntcanngncc ttggngncga 120  
 ggtncgntgg tgctcntgca anatcttctc caccaggan cacgcnnacg cngctattgc 180  
 ccgcganagt gcngccgtct tcgntggaa gggtagacc ctccaggagt actggtggtg 240  
 caccgagcgc gcntcgant ggggccccgg tggtagaccg anctcatcgt cgacgaggtg 300  
 gtgang 306

<210> 3007  
 <211> 70  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 3007

attntnttgc ttgaccaca tnnagaanat gaagnannan tgccttggtg ttgcaacatt 60  
tggccacttt 70

<210> 3008  
<211> 536  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3008

gggggngnnn nnnnttcann ggttnctgc cgtaacggtc cgaaatcccg ggtcgnccca 60  
cgcgctccgcc cacgcgtccg nccgntgcga naagannaca gaagggggcc caggctgatt 120  
acatcantgt gcctgttgag ggtccatnca agcctgctca ntacnngtac taagtaattg 180  
agattatcaa cggaacagtg aggganagac ntantcgggtt ttatgaatcg ggntgattgt 240  
ttaagtnttc cttttttttg aggttttgtt gttanacttt tcagatttga gggtagcctn 300  
agtttanctt tngggcngcn naagnagnag tcaggtnntn aaaaaaggng gcngngntgg 360  
nggatcnaan nttacgtacg cttgcntnca acgtcatnnc tcttcgaaag tggcaccnat 420  
tttcaattca ggggccggnc gttttaannn cnncttnnc ggggaaaacc ttggggntan 480  
ccanggttac ccccttgncn tnannncccn ttttcccna nttgggttaa aaaaaa 536

<210> 3009  
<211> 330  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3009

gtccnatncc gctgngngna gacnggggt tgggtnacnt ggnntcntc ntggttgnc 60  
ncttgaggnn cttgatganc aatgccattg tttgctncat tggtcacttt gggcctgaga 120  
tngacntgct tggntcggag nactattccg gtgtgntnng catcaccatc atgncccctt 180  
tctgacagat gggctctccc tgatacngc nccggtatcn ttgtcttggc tgagggtcnn 240  
ttgntnatct tgggatncnc cattngnac ttcnttttg tgatgtcctg ctccttcngc 300  
antnggntcn ntgctcngnt tgngttggtg 330

<210> 3010  
 <211> 473  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 3010

```

gtttgattcc gagccannca atgcatcgna nncangcgta cntaaactcg gaattcggcn   60
cnagcaatga ctctgtcacc aagagcaant ttgacanctt gtatgggtgc cgtcactctc  120
tccctgatgg nctcatgagg gctaccgatg ttatgattgc tggaaaggtg gctgttgtgg  180
ctggatatgg tgatgttggc aagggttgtg ctgctgcaat gaagcaggct ggtgctcgtg  240
tcacgtgac cganattgat cccatctgtg cccttcaggc tctcatggaa ggccttcagg  300
ttctgacctt ggaggatgtt gtttctgagg ctgatatctt tgtcaccacc accggttaaca  360
aggacatcat catggttgac cacatgagga aaatgaacaa caatgccatt gtttgcaaca  420
ttggtcacnt tgacaatgag atcgacatgc ttgggctgga gaactaaccg ggg          473
  
```

<210> 3011  
 <211> 500  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 3011

```

gaggnttgnt ttgnancnan anactttcgc ctgccgtacc ggtccggaat tcccgggtcg   60
accacgcgt ccgcggacgc gtgggcggac gcgtgggctg cgagagacga cagaaggggg  120
gactctactc ttccctgcta ttaatgtcaa tgactctgtt accaagagca agtttgacaa  180
cttgtacggg tgctgtcact ctctccctga tggctctgat agggctactg atgtgatgat  240
tgctggaaag gtggctgttg tggctggata tggngatgtt ggcaagggtt gtgctgctgc  300
attgaagcag gctggtgctc gtgtcatcgt gactgagatt gaccccatth gtgcccttca  360
ggctctcatg gaaggccttc aggttctgac cttggaggat gttgtttctg aggctgatat  420
ctttgtcacc accacgggta acaaggacat catcatggnt gaccacatga agaaaatgaa  480
gaacaatgcc attgtttgca                                     500
  
```

<210> 3012  
 <211> 383  
 <212> DNA  
 <213> Glycine max

<400> 3012

```
ccattgtttg caacattggt cactttgaca atgagatcga catgcttggg ctggagaact 60
accccggcgt gaagcgcac accatcaagc cccaaactga cagatgggtc ttccctgaga 120
ccaacaccgg tatcattgtc ttggctgagg gtcgattgat gaacttggga tgcgccactg 180
gacaccccag ttttgtgatg tcctgctcct tcaccaacca ggtcattgct cagcttgagt 240
tgtggaagga gaagagtacc ggcaagtacg agaagaaggt ttacgttttg cccaagcacc 300
ttgatgagaa ggtggctgca cttcacctgg gcaaacttgg agctaagctg acccagctta 360
gcaagtccca ggctgattac atc 383
```

<210> 3013  
 <211> 528  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3013

```
gnnnnggaggt ttganngggg gngggnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnagagagan agagagagat ctatctatct 120
atcaagatgg ngttgttggg tgagaaaaca agcagtggaa gggagtacaa ggtgaaggac 180
atgacgcaag ccgatttcgg aagattggaa atcgagctgg cggaggttga aatgcccggc 240
ctcatgtcct cccgcaccga gttcggcccc tctcaaccct tcaagggcgc taggatcacc 300
ggctccctcc acatgaccat ccaaaccgcc gtcctcatcg agaccctcac cgccctcggc 360
gccgaggtcc gctggtgctc ctgcaacatc ttctccacc aggaccatgc cgccgccgcc 420
atngcccgcg acagcgcctt cgtcttcgcc tggaaggggt gagaccctnc aggaatactg 480
gtggtgcacc gagcgcgcc tcgactgggg ccccggcggn gggcccca 528
```

<210> 3014  
 <211> 520  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 3014

```

agngtttttg tanntggggg gggggggggn aagnganata tnttagctat agatnlnaca    60
tgtacanngt acgtaagctc ggaattcggc tcgagggccg acttcggccg cctcgagatc   120
gagctggccc gaggttgaga tgccgggcct catggcctgg cggaccgagt tcggcccatc   180
tcacccttca aggggggccc catcaccggc tcccttcaca tgaccatnca gaccgctgtc   240
ctcatcgaga cctcaccggn tctcggcgcc gaggttgcgt ggtgctcctg caacatcttc   300
tcactcagga ccacgccgcc gncgccatcg cccgtgacag cgccgncgtc ttcgcctgga   360
aggggtgagac cctccaggag tactggtggt gcaccgagcg cgcccttgac tggggccccc   420
gcggcgggcc cgacctnatt gtcgacgaen gaagcnacgc cacctctnat cacgaaggcc   480
tnaangncca gggctctatn annaagaccg gggaactccc                          520

```

<210> 3015  
<211> 344  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3015

```

gttattttctc agcgcgtaaa gcatggcttt gttggtggag aaaaccacga gtggtcgcga    60
gtacaaggtc aaggaccttt cccaggccga cttcggccgc ctcgagatcg agctggccga   120
ggttgagatg cccggcctca tggcctgtcg naccgagttc ggccentccc agccttcaag   180
ggggcccgca tcaccggctc cctccacatg accatccagc ggcgccgttc tcattgagac   240
cctcaccgcc cttggcgccg aggtccgctg gtgctcctgc aacatcttct ccanccagga   300
ccacgccgcc gccgtanttc ncgcgacagt gcngccgtct tcgc                          344

```

<210> 3016  
<211> 528  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3016

```

ggnnnaagtt tttgnngggg ggggnannan gtnnnnnnnn nnnnnnnnnn nnnnnnnnnn    60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntcgagat cganctggcc   120

```

cgaggtnag atggcgatcc tcatggcgtg gcggaccgag ttcggcccat ctcanccctt 180  
gaagggggcc cgcataccg gtcctnttca catgaccatt canaccgntg tcctcatcga 240  
naccctnacc gctctcggcg ccgagggttcg ctggtgctcc tgcaacatct tctccactca 300  
ggaccacgcc gncgncgcca tcgcccgtga cagcgccgnc gtcttcgcct ggaagggtga 360  
gaccctncan gactactggt ggtncaccga gcgcgccctt gactggggcc cccgcgnggc 420  
cccgacctta tngtcnaccg accgaaggca accccacctt cttatcaacn aggccgtnaa 480  
ggccaaggag ctctatnaag aagaccgggg aactccccna ccctaact 528

<210> 3017  
<211> 347  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3017

ccggctccct tcacatgacc atccagaccg ctgtcctcat cgagaccctn caccgctctc 60  
ggcgccgagg ttcgctggtg ctcttgcaac atcttctcca ctccaggacca nnnnnnnnnn 120  
nnnnnnnnnc gtgacagcgc cgccgtcttc gcctggaagg gtgagaccct ccaggagtac 180  
tggtggtgca ccgagcgcg cctcgactgg ggccccggcg gcggccccga cctncatcgt 240  
cgacgacgga ggcgacgcca ccctcctcat ccacganggc gtcaaggccg aggagctcta 300  
tgagaagacc ggggaattcc ccgaccctaa ttccantgac aacgcgg 347

<210> 3018  
<211> 332  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3018

gtcgcangca cgcntacgtn agctcggaat tcggctcgag caggttctga ccttgaggga 60  
tgttgtttct gaggctgata tctttgtcac caccaccggt aacaaggaca tcatcatggt 120  
tgaccacatg aggaaaatga agaacaatgc cattgtttgc aacattggtc actttgacaa 180  
tgagatcgac atgcttgggc tggagaacta ccccgcgctg aagcgcatca ccatcaagcc 240  
ccaaactgac agatgggtct tccttgagac caacaccggt atcattgtct tggctgaggg 300



tcgattgatg aacttgggat gcgccactgg ac

332

<210> 3019

<211> 307

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3019

ngtngangca cgcgtacgta agctcggaat tcggctcgag gtcaaggacc tntcccaggc 60

cgacttcggc cgcctcgaga tcgagctggc cgaggttgag atgcccggcc tcatggcctg 120

tcggacngag ttcgccccct cccagccctt caagggggcc cgcattcaccg gctccctcca 180

catgaccatc cagngcgccg ttctcattga gaccctcacc gcccttggcg ccgaggtccg 240

ctggtgctcc tgcaacatct tctccacca ggaccagcc gccgccgcta ttgcccgcga 300

cagtgcc 307

<210> 3020

<211> 298

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3020

cgctgcntac gtacgtaagc tcggaattcg gctcgagccg agttcggccc ctcccagccc 60

ttcaaggggg cccgcatcac cggtccctc cacatgacca tccagaccgc cgttctcatt 120

gagaccctca ccgcccttgg cgccgaggtc cgctggtgct cctgcaacat cttctccacc 180

caggaccacg ccgccgccgc tattgccgc gacagtgccg ccgtcttcgc ctggaagggt 240

gagaccctcc aggagtactg gtggtgcacc gagcgcccc tcgactgggg ccccgggtg 298

<210> 3021

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3021

ctttctctag tctgttatt tctcagcgcg taaagcatgg ctttggtggt ggagaaaacc 60

acgagtggtc gcgantacaa ggtcaaggac tttcccaggc cgacttcggc cgctcgcaga 120  
tcgagctggc cgaggttgan atgcccgcc tcatggcctg tcggaccgag ttccggccct 180  
cccagccctt caagggggcn cgcacaccg gntccctcca catnaccatc cagaccgccg 240  
ttctcattga gaccctcacc gcccttggcg ccgaggtncg ctggtgctcc tgcaacatct 300  
tctccacca ggaccacgcc gngccgctat tgtcgcgaa 339

<210> 3022  
<211> 275  
<212> DNA  
<213> Glycine max

<400> 3022

caccactggt gttaagaggc tatatcagat gcaggcgaat gggactctac tcttcctgc 60  
tattaatgtc aatgactctg ttaccaagag caagtttgac aacttgtacg ggtgccgtca 120  
ctctctccct gatggtctga tgagggctac tgatgtgatg attgctggaa aggtggctgt 180  
tgtggctgga tatggtgatg ttggcaaggg ttgtgctgct gcattgaagc aggctgggtgc 240  
tcgtgtcatc gtgactgaga ttgaccccat ttgtg 275

<210> 3023  
<211> 320  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3023

cnntncacgc gtacgnagc tcggaattcg gctcaggag gaaaccacca ctggtgttaa 60  
gaggctatat cagatgcagg cgaatgggac tctactcttc cctgctatta atgtcaatga 120  
ctctgttacc aagancaagt ttgacaactt gtacgggtgc cgtcactctc tccctgatgg 180  
tctgatgagg gctactgatg tgatgattgc tggaaagggtg gctgttgtgg ctggatatgg 240  
tgatgttggc aagggttgtg ctgctgcatt gaagcaggct ggtgctcgtg tcatcgtgac 300  
tgagattgac cccattgtgc 320

<210> 3024  
<211> 306  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
 <400> 3024

atgtcgcggtt cacgcgtacg taagctcgga attcggctcg aggggtggaga aaaccacgag 60  
 tggctcgcgag tacaaggtca aggacctttc ccaggccgac ttcggccgcc tcgagatcga 120  
 gctggccgag gttgagatgc ccggcctcat ggctgtcgg accgagttcg gccctccca 180  
 gcccttcaag ggggcccga tcaccggctc cctccacatg accatccaga ncgccgttct 240  
 cattgagacc ctcaccgccc ttggcgccga ggtccgctgg tgctcctgca acatcttctc 300  
 caccca 306

<210> 3025  
 <211> 518  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3025

agtttntntt nngggggggg gggggnaang agtancgctn agctatgacg tcgcatgcac 60  
 gcgtacgtaa gctcgggaatt cggctcgagg agagatctat ctatctatca agatggcggtt 120  
 gttggttgag aaaacaagca gtggaaggga gtacaagggtg aaggacatga cgcaagccga 180  
 tttcgggaaga ttggaaatcg agctggcgga ggttgaaatg cccggcctca tgtcctcccg 240  
 caccgagttc ggccctctc aacccttcaa gggcgctagg atcaccggct cctnccacat 300  
 gaccatncaa accgncgtcc tcacgcgagac cctnaccggc ctnggcgccg aggtcccgt 360  
 ggtgctnctg caacatcttc ttcanccaag accatgccgg cgcgcatcgc cgggacagcg 420  
 ccttcgtctt cgcctggaaa ggtgagaccc ttcaggaatc tgggtggtgca ccgagcgcg 480  
 ccttgactgg ggccccngcg gcggcccgat ctnattgt 518

<210> 3026  
 <211> 338  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3026

ctccaagggtc agaacctgaa ggccttccat gagagcctga tatctttgtc accaccaccg 60

gtaacaagga catcatcatg gttgaccaca tgaggaaaat gaagaacaat gccattgttt 120  
gcaacattgg tcaactttgac aatgagatcg acatgcttgg gctggagAAC taccCCggcg 180  
tgaagcgcat caccatcaag ccccaaactg acagatgggt ctnccctgag accaacaccg 240  
gtatcattgt cttggctgag ggtcgattga tgacttggga tgcgccatgg acacCCcagt 300  
tttgtgatgt cctgctcctt caccaacang tcattgtc 338

<210> 3027  
<211> 286  
<212> DNA  
<213> Glycine max

<400> 3027

gtaccaatgt cggcatcatt gtcttggccg agggctgttt gatgaacttg ggatgcgcca 60  
caggacaccc tagttttgtg atgtcctgct ccttcaccaa ccaggtcatt gctcagcttg 120  
agttgtggaa ggagaagagt accggcaagt acgagaagaa agtttacgtt ttgcccAagc 180  
accttgatga caaggtggct gcacttcacc ttggcaaact tggagctaag ctcaccaagc 240  
ttagcccggc ccaggctgat tacatcagtg tgcctgttga gggTcc 286

<210> 3028  
<211> 340  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3028

gtcgcatgca cgcgtacgta agctcggaat tcggctcgag ncgatgttat gattgctgga 60  
aaggTggctg ttgtggctgg atatggTgat gttggcaagg gttgtgctgc tgcaatgaag 120  
caggctggcg ctogtgtcat cgtgaccgag antcnatccc atctgtgccc ttcaggctct 180  
catgnaaggc cttcaggTtc tgaccttgga ggatgttgtt tctgaggctg atatctttgt 240  
caccaccacc ggtaacaagg acatcatcat ggttgaccac atgaggaaaa tgaagaacaa 300  
tgccattgtt tgcaacattg gtcactttga caatgagatc 340

<210> 3029  
<211> 312  
<212> DNA  
<213> Glycine max

<400> 3029

tcgcatgcac gcgtacgtaa gctcgggaatt cggctcgagc tgaggaaacc accactggag 60  
ttaagaggct ctatcagatg caggcgaaatg ggactcttct cttccctgct attaattgtca 120  
atgactctgt caccaagagc aagtttgaca acttgatatgg gtgccgtcac tctctccctg 180  
atggctctcat gagggctacc gatgttatga ttgctggaaa ggtggctggt gtggctggat 240  
atgggtgatgt tggcaagggg tgtgctgctg caatgaagca ggctgggtgct cgtgtcatcg 300  
tgaccgagat tg 312

<210> 3030

<211> 280

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3030

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gaaggtaag gacctttccc 60  
aggccgactt cggccgcctc gagatcgagc tggccgaggt tgagatgcc gccctcatgg 120  
cctgtcggac cgagttcggc cctcccagc ccttcaaggg ggcccgcac accggtccc 180  
tccacatgac catccagacc gccgttctca ttgagaccct caccgccctt ggcgccgagg 240  
tccgctggtg ctctgcaac atcttctcca cccaggacca 280

<210> 3031

<211> 324

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3031

ngangcacgc gtacgtaagt cggaattcgg ctcgagtgtt atttctcagc gcgtaaagca 60  
tgggctttgt tgggtggagaa aaccacgagt ggtcgcgagt acaaggtaaa ggacctttcc 120  
caggccgact tcggccgcct cgagatcgag ctggccgagg ttgagatgcc cggcctcatg 180  
gcctgtcggg ccgagttcgg cncctcccag cccttcaagg gggcccgcac caccggctcc 240  
ctccacatga ccatccagac cgccgttctc attgagacc tcaccgccct tggcgccgag 300  
ntccgctggt gctcctgcaa catc 324

<210> 3032  
 <211> 303  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3032

acgtcgcang cacgcgtacg tnagctcgga attcggtcgc aggccctcc cagcccttca 60  
 agggggcccg catcaccggc tccctccaca tgaccatcca ganccgccgt tctcattgag 120  
 accctcaccg cccttggcgc cgaggctcgc tgggtgctct gcaacatctt ctccaccag 180  
 gaccacgccg ccgccgtat tgcccgcgac agtgccgccg tcttcgcctg gaagggtag 240  
 accctccagg agtactggtg gtgcaccgag cgcgccctcg actggggccc cggtaggtgga 300  
 ccc 303

<210> 3033  
 <211> 308  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3033

gtnnatncac gcgtacgtaa gctcgggaatt cggctcgagg ctggtgctcc tgcaacatct 60  
 tctccacca ggaccacgcc gccgccgcta ttgcccgga cagtgccgcc gtcttcgcct 120  
 ggaagggtag gaccctccag gagtactggt ggtgcaccga gcgcgccctc gactggggcc 180  
 ccggtggtgg acccgacctc atcgctcgac acggtggtga cgctaccctt ctcatccag 240  
 aaggcgtcaa ggccgaggag ctctatgaga agaccggcga actccccgac cccaactcca 300  
 ccgacaac 308

<210> 3034  
 <211> 294  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3034

gtcgcangca cgcgtacgta agctcgggaat tcggctcgag caccggtaac aaggacatca 60

tcatggttga ccacatgagg aaaatgaaga acaatgccat tgtttgcaac attggtcact 120  
 ttgacaatga gatcgacatg cttgggctgg agaactaccc cggcgtgaag cgcataacca 180  
 tcaagcccca aactgacaga tgggtcttcc ctgagaccaa caccggtatc attgtcttgg 240  
 ctgaggggtcg attgatgaac ttgggatgcg ccaactggaca cccagtttt gtga 294

<210> 3035  
 <211> 332  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3035

ntacagtcgc angcacgcgt acgttagctc ggaattcggc tcgagctcta tcagatgcag 60  
 gcgaatggga ctcttctctt ccctgctant aatgtcaatg actctgtcac caagancaag 120  
 ttgacaact tgtatgggtg ccgtcactct ctccctgatg gtctcatgag ggctaccgat 180  
 gttatgattg ctggaaaggt ggctgtttg gctggatatg gtgatgttgg caagggttgt 240  
 gctgctgcaa tgaagcaggc tgggtgctcg gtcacgtga ccgagattga tcccatctgt 300  
 gcccttcagg ctctcatgga agccttcagg tt 332

<210> 3036  
 <211> 287  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3036

tcnecatgca tgcacgcgta cgtaagctcg gaattcggct cgagcgagta caaggtaag 60  
 gacctttccc aggccgactt cggccgcctc gagatcgagc tggccgaggt tgagatgcnc 120  
 ggctcatgg nctgtcggac ngagttcggc ncctcccagc ccttcaaggg ggccccgcatc 180  
 accggctccc tccacatgac catccaganc gccgttctca ttgagaccct caccgccctt 240  
 ggcgccgagg tccgctggtg ctctgcaac atcttctcca cccagga 287

<210> 3037  
 <211> 326  
 <212> DNA  
 <213> Glycine max

<400> 3037

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gcacgcgtac gtaagctcgg aattcggctc gaggttccag atcgtgctta ccatcatcag 60
agatgggttg aagaccgatc ccaccaggta ccgcaagatg aaggagcgtc tcgttggggg 120
ttctgaggaa accaccactg gtgttaagag gctatatcag atgcaggcga atgggactct 180
actcttcctg ctattaatgt caatgactct gttaccaaga gcaagtttga caactgttac 240
gggtgccgtc actctctccc tgatgggtctg atgagggcta ctgatgtgat gattgctgga 300
aaggaggctg ttgtggctgg atatgg 326
```

<210> 3038

<211> 306

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3038

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cgcangcacg cgtacgtaag ctcggaattc ggctcgaggg aaaatgaaga acaatgccat 60
tgtttgcaac attgggtcact ttgacaatga gatcgacatg cttgggctgg agaactaccc 120
cggcgtgaag cgcataacca tcaagcccca aactgacaga tgggtcttcc ctgagaccaa 180
caccggtatc attgtcttgg ctgagggctg attgatgaac ttgggatgag ccaactggaca 240
ccccagtttg tgatgtcctg ctccttcacc aaccagggtca ttgctcagct tgagttgtgg 300
aaggag 306
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<210> 3039

<211> 259

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3039

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ctcattgaga ccctcacgc ccttggcgcc gaggtccgct ggtgctcctg caacatcttc 60
tccacccagg accacgcnc cgccgctatt gcccgcgaca gtgccgccgt cttgccttg 120
aagggtgaga ccctccagga gtactggtgg tgcaccgagc gcgccctcga ctggggcccc 180
gggtggtggac ccgacctcat cgtcgacgac ggtggtgacg ctacccttct catccacgaa 240
gcgtcaaggc cgaggagct 259
```



<210> 3040  
 <211> 306  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3040

nncgcatgca cgcntacgta aagctcggaa ttcggctcga ggtaaagcat ggctttgttg 60  
 gtggagaaaa ccacgagtgg tcgcgagtac aagggtcaagg acctttccca ggccgacttc 120  
 ggccgcctcg agatcgagct ggccgagggt gagatgcccg gcctcatggc ctgtcggacc 180  
 gagttcggcc cctcccagcc cttcaagggg gcccgcatca ccggctccct ccacatgacc 240  
 atccagancg ccgttctcat tgagaccctc accgcccttg gcgccgaggt ccgctgggtgt 300  
 cctgca 306

<210> 3041  
 <211> 312  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3041

ttcangcncg cntacgtaag ctcggaattc ggctcgannc ttgggatgcg ccactggaca 60  
 ccccagnttt gtnatgtcct gtccttcac caaccaggtc attgctcagc ttgagttgtg 120  
 gaaggagaag agtaccggca agtacgagaa gaaggtttac gttttgcca agcaccttga 180  
 tgagaagggtg gctgcacttc acctgggcaa acttgngct aagctgacct agcttngcaa 240  
 gtcccaggct gattacatca gtgtgcctgt tganggtcca tacaagcctg ctactacag 300  
 gtactaagtg at 312

<210> 3042  
 <211> 330  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3042

cnaagtctcn ngcacgcgta cgtaantcgg aattcggctc gaggctgggtg ctctgcaac 60  
 atctttctcca cccaggacca cgccgccgcc gctattgccc gcggacagtt nccgccgnet 120

tcgcctggaa gggtgagacc ctccaggagt actggtggtg caccgagcgc gccctcgact 180  
 ggggccccgg tgggtgaccc gacctcatcg tcgacgacgg tggtgacgct acccttctca 240  
 tccacgaagg cgtcaaggcc gaggagctct atgagaagac cggcgaactc cccgacccca 300  
 actccaccga caacgccgag tttcagatct 330

<210> 3043  
 <211> 314  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3043

gtcgtatgca cgcgtangta agctcngaatt tcggctcgag tttctgagga aaccaccact 60  
 ggagttaaga ggctctatca gatgcaggcg aatgggactc ttctcttccc tgctattaat 120  
 gtcaatgact ctgtcaccaa gagcaagttt gacaacttgt atgggtgccg tcaactctctc 180  
 cctgatggtc tcatgagggc taccgatgtt atgattgctg gaaagggtggc tgttgtggct 240  
 ggatatggtg atgttggtgca ggttggtgctg ctgcaatgaa gcaggctggt gctcgtgtca 300  
 tcgtgancga gatc 314

<210> 3044  
 <211> 312  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3044

naccannnc gcgtacgtaa gctcggaatt cggctcgagt gggactcttc tcttccctgc 60  
 tattaatgtc aatgactctg tcaccaagag caagtttgac aacttgatg ggtgccgtca 120  
 ctctctccct gatgggtctca tgagggctac cgatgttatg attgctggaa aggtggctgt 180  
 tgtggctgga tatggatgat ttggcaaggg ttgtgctgct gcaatgaagc aggctgggtc 240  
 tcgtgtcatc gtgaccgaga ttgatcccat ctgtgccctt caggctctca tggaaggcct 300  
 caggttctga cc 312

<210> 3045  
 <211> 307

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3045

gtcgcangca cgcntacgtn anctcggnt tnggctcgag cnagggttgt nctgccgcan 60  
 tgaagcaggc tgggtgctcgt gtcacgtga ccgagattga tcccatctgt gcccttcagg 120  
 ctctcatggn aggcccttcag gntctgacct tggaggatgt tgtttctgan gctgatattct 180  
 ttgtcaccac caccggtaac aaggacatca tcatgggtga ccacatgagg aaaatgaaga 240  
 acaatgccat tgtttgcnac attgggtcact ntgacaatga gatcgacatg cttgggctgg 300  
 agaacta 307

<210> 3046  
 <211> 314  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3046

tccgtgcacg cgtacgtaag ctcggaattc ggctcgagnt ggatgcgcca ctggacaccc 60  
 cagttttgtg atgtcctgct ccttcaccaa ccagggtcatt gctcagcttg agttgtggaa 120  
 ggagaagagt accggcaagt acgagaagaa ggtttacgtt ttgcccaagc accttgatga 180  
 gaagggtggct gcacttcacc tgggcaaact tggngctaag ctgaccacgc ttagcaagtc 240  
 ccaggctgat tacatcagtg tgcctgttga ggggtccatac aagcctgctc actacaggta 300  
 ctaagtgatt gaga 314

<210> 3047  
 <211> 316  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3047

cntacgtaag ctcggaattc ggctcgaggt cctgttattt ctcagcgcgt aaagcatggc 60  
 tttgttggtg gagaaaacca cgagtggctg cgagtacaag gtcaaggacc tttcccaggc 120  
 cgacttcggc cgcctcgaga tcgagctngc cgaggttgag atgcccggcc tcatggcctg 180

tcggaccgag ttcgggccct cccagccctt caagggggcc cgcatacccg gctcctccac 240  
atgaccatcc agaccgccgt tctcattgag accctcaccg cccttggcgc cgaggtccgc 300  
tggtgctctg caacat 316

<210> 3048  
<211> 259  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3048

gttgtttctg aggctgatat ctttgtcacc accaccggta acaagggaca tcatcatggt 60  
tgaccacatg aggaaaatga agaacaatgc cattgtttgc aacattggtc actttgacaa 120  
tgagatcgac atgcttgggc tggagaacta ccccggcgtg angcgcatca ccatcaagcc 180  
ccaaactgac agatgggtct tccctgagac caacaccggt atcattgtct tggctgaggg 240  
tcgattgatg aacttgga 259

<210> 3049  
<211> 346  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3049

agaacgnnaa nangtcgcat gcacgcgtac gtaagctcgg gaattcggct cgagcagtgc 60  
cgccgtcttc ncctggaagg gtgagaccct ccaggagtac tggtggtgca ccgagcgcg 120  
cctcgactga ngccccggtg gtggaccoga cctcatcgtc gacgacggtg gtgacgctac 180  
ccttctcatc cacgaaggcg tcaaggccga ggagctctat gagaagaccg gcgaactccc 240  
cgaccnaac tccaccgaca acgccgagtt tcagatcgtg cttaccatca tcagagatgg 300  
gttgaagacc gatcccacca ggtaccgcaa agtgaaggag cgtctc 346

<210> 3050  
<211> 319  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3050

gangcacncg tacgttagct cggaattcgg ctcgagctct ttctctagtc ctgttatttc 60  
tcagcgcgta aagcatggct ttgttggtgg agaaaaccac gagtggtcgc gagtacaagg 120  
tcaaggacct ttcccaggcc gacttcggcc gcctcgagat cgagctggcc gaggttgaga 180  
tgcccggcct catggcctgt cggaccgagt tcggcccctc ccagcccttc aagggggccc 240  
gcatcaccgg ctccctccac atgaccatcc agaccgccgt tctcattgag accctcaccg 300  
cccttggcgc cgaggtccg 319

<210> 3051  
<211> 298  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3051

ntacgcangc acncgtacgt nagctcggaa ttcggctcga ggtaaagcat ggctttgttg 60  
gtggagaaaa ccacgagtgg tcgcnagtac aaggtcaagg acctttccca ggccgacttc 120  
ggccgcctcg agatcgagct ggccgaggtt gagatgcccg gcctcatggc ctgtcggacc 180  
gagttcggcc cctcccagcc cttcaagggg gcccgcatca ccggctccct ccacatgacc 240  
atccagaccg ccgtttctcat tgagaccctc accgcncctg gcgccgangt ccgctgggt 298

<210> 3052  
<211> 317  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3052

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agcatggctt tgttggtgga gaaaaccacg agtggtcgcg agtacaagg caaggacctt 120  
tcccaggccg acttcggccg cctcgagatc gagctggccg aggttgagat gcccggcctc 180  
atggcctgtn cggaccgagt tcggcccctc ccagcccttc aagggggccc gcatcaccgg 240  
ctccctccac atgaccatcc agaccgccgt tctcattgag accctcaccg cccttggcgc 300  
cgaggtccgc tggtgct 317

<210> 3053  
 <211> 311  
 <212> DNA  
 <213> Glycine max

<400> 3053

gtcgcacgca cgcgtacgta agctcggaaat tcggctcgag gcaagatgaa ggagcgtctc 60  
 gttgggggttt ctgaggaaac caccactgga gttaagaggc tctatacaga tgcaggcgaa 120  
 tgggactctt ctcttcctg ctattaatgt caatgactct gtcaccaaga gcaagtttga 180  
 caacttgat ggggtccgct actctctccc tgatgggtctc atgagggcta ccgatgttat 240  
 gattgctgga aagggtggctg ttgtggctgg atatggtgat gttggcaagg gttgtgctgc 300  
 tgcaatgaag c 311

<210> 3054  
 <211> 308  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3054

nncangcncg cgtacgtnag ctcggaattc cgctcgagct cgagccgcgg gtaacaagga 60  
 catcatcatg gttgaccaca tgangaaaat gaagaacaan cgccattggt tgcaacattg 120  
 gtcactttga caatgagatc gacatgctgg ggctggagaa ctaccccggc gtgaagcgca 180  
 tcaccatcaa gcccacaaacc gacagatggg tcttccccga gaccaatgtc ggcacattg 240  
 tcttggccga gggtcgtttg atgaacttgg gatgcgccac aggacaccct agttttgtga 300  
 tgtcctgc 308

<210> 3055  
 <211> 347  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3055

cntnnnnatg nanacgtcgc atgcacgcgt acgtnaagct cggaattcgg ctcgagctct 60  
 ttctctagtc ctgttatttc tcagcgcgta aagcatggct ntgttggtgg agaaaaccac 120  
 gagtggctgc gagtacaagg tcaaggacct ttcccaggcc gacttcggcc gcctcgagat 180

cgagctggcc gaggttgaga tgcccggcct catggncgtg nggaccgagt tcggcccctc 240  
ccancccttc aagggggccc gcatcaccgg ctccctccac atgaccatcc agancgccgt 300  
tctcattgag accctcaacg gccttggcgc cgangtccgc tgggtgct 347

<210> 3056  
<211> 349  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3056

cgcgtagcta agctcggaat tcggctcgag ngacgacggt ggtgacgcta cccttctcat 60  
ccacgaaggc gtcaaggccg aggagctcta tgagaagacc ggcgaactcc ccgaccccaa 120  
ctccaccgac aacgccgagt ttcagatcgt gcttaccatc atcagagatg ggttgaagac 180  
cgatcccacc aggtaccgca agatgaagga gcgtctcggt ggggtttctg aggaaaccac 240  
cactggagtt aagaggctct atcagatgca ggcgaatggg actcttctct tccctgctat 300  
taatgtcaat gactctgtca ccaagagcga gttgacaatt gtatgggtg 349

<210> 3057  
<211> 315  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3057

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cgtaaagcat ggctttgttg gtggagaaaa ccacgagtgg tcgcgagtac aaggtcaagg 120  
acctttccca ggctgacttc ggccgcctcg agatcgagct ggccgaggtc gagatgcccg 180  
gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg gcccgcacatca 240  
ccggctccct ccacatgacc atccagaccg ccgttctcat tgagaccctc accgcccttg 300  
gcgcnnaggt ccgct 315

<210> 3058  
<211> 339  
<212> DNA  
<213> Glycine max

<223>        unsure at all n locations  
 <400>        3058

cnatntttgn acgcgtacgt aagctcggaa ttcggctcga cctcgagccg attcggtcgc    60  
 aggttatttc tcagcgcgta aagcaacggc tttgttggtg gananaacca cgagtggctg    120  
 cnngtacaag gtcaaggacc tttcccaggc cgacttcggc cgctcgcaga tcgagctggc    180  
 cgaggttgag atgcccggcc tcatggcctg tcggaccgag ttcggccctt cccanccctt    240  
 caagggggcc cgcataccg gctccctcca catgaccatc cagaccgccg ttctcattga    300  
 gaccctcacc gcccttggcg ccgaggtccg ctggtgctc                                339

<210>        3059  
 <211>        301  
 <212>        DNA  
 <213>        Glycine max

<223>        unsure at all n locations  
 <400>        3059

tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagg aaaatgaaga acaatgccat    60  
 tgtttgcaac attggtcact ttgacaatga gatcgacatg ctggggctgg agaactaccc    120  
 cggcgtgang cgcataccca tcaagcccca aaccgacaga tgggtcttcc ccgagaccaa    180  
 tgtcggcatc attgtcttgg ccgagggctg tttgatgaac ttgggatgcg ccacaggaca    240  
 ccctagtttt gtgatgtcct gctctcacca accaggtcat tgctcagctt gagttgtgga    300  
 a    301

<210>        3060  
 <211>        331  
 <212>        DNA  
 <213>        Glycine max

<400>        3060

tcgcatgcac gcgtacgtaa gctcgggaatt cggctcgagc tctttctcta gtctgttat    60  
 ttctcagcgc gtaaagcatg gctttgttgg tggagaaaac cacgagtggc cgcgagtaca    120  
 aggtcaagga cctttcccag gccgacttcg gccgcctcga gatcgagctg gccgaggtg    180  
 agatgcccgg cctcatggcc tgtcggaccg agttcggccc ctcccagccc ttcaaggggg    240  
 cccgcatcac cggctccctc cacatgacca tccagaccgc cgttctcatt gagaccctca    300



ccgcccttgg cgccgagtcc gtatgtcctg c

331

<210> 3061  
<211> 294  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 3061

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gtcactctct ccctgatngt ctgatgaggg ctactgatgt gatgattgct ggaaagggtg 120  
ctgttgtggc tggatatggt gatgttggca agggttgtgc tgctgcattg aagcaggctg 180  
gtgctcgtgt catcgtgact gagattgacc ccatttgtgc ccttcaggct ctcatggaag 240  
gccttcaggt tctgaccttg gaggatgttg tttctgaggc tgatatcttg tcac 294

<210> 3062  
<211> 291  
<212> DNA  
<213> Glycine max  
  
<400> 3062

cacgcgtacg taagctcgga attcggctcg aggcaggcga atgggactct tctcttccct 60  
gctattaatg tcaatgactc tgtcaccaag agcaagtttg acaacttgta tgggtgccgt 120  
cactctctcc ctgatggtct catgagggct accgatgtta tgattgctgg aaagggtggc 180  
gttgtggctg gatatggtga tgttggcaag ggttgtgctg ctgcaatgaa gcaggctggc 240  
gctcgtgtca tcgtgaccga gattgatccc atctgtgccc ttcaggctct c 291

<210> 3063  
<211> 293  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 3063

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taagaggctc tatcagatgc aggcgaatgg gactcttctc ttccctgcta ttaatgtcaa 120  
tgactctgtc accaagagca agtttgacaa cttgtatggg tgccgtcact ctctccctga 180

tgggtctcatg agggctaccg atgttatgat tgctggaaaag gtggctgttg tggctggata 240  
 tgggtgatgtt ggcaaggggt gtgctgctgc aatgaagcag gctgggtgctc gtg 293

<210> 3064  
 <211> 313  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3064

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 attgtttgca acattgggtca ctttgacaat gagatcgaca tgcttgggct ggagaactac 120  
 cccggcgtga agcgcacac catcaagccc caaactgaca gatgggtctt ccctgagaca 180  
 acaccggtat cattgtcttg gctgaggggc gattgatgaa cttgggatgc gccactggac 240  
 accccagttt tgtgatgtcc tgctccttca ccaaccaggc atgctcagct tgagttgtgg 300  
 aaggagaaga gta 313

<210> 3065  
 <211> 301  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3065

gtcgcacgca cgcgtacgtn agctcggaat tcggctcgag ggaaaatgaa gaacaatgcc 60  
 attgtttgca acattgggtca ctttgacaat gagatcgaca tgcttgggct ggagaactac 120  
 cccggcgtga agcgcacac catcaagccc caaactgaca gatgggtctt ccctgagacc 180  
 aacaccggtg tcattgtctt ggctgagggg cgattgatga acttgggatg cgccactgga 240  
 caccacagtt ttgtgatgtc ctgctccttc accaaccagg tcatgctcag cttgagttgt 300  
 g 301

<210> 3066  
 <211> 325  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 3066

agtcgcnnngc acgcgtacgt aagctcggaa ttcggctcga ggattatttct cagcgcgtaa 60  
agcatggcctt tgttggtgga gaaaaccacg agtggtcgcg agtacaaggc caaggacctt 120  
tncccaggcc gacttcggcc gcctcgagat cgagctggcc gaggttgaga tgcccggcct 180  
catggcctgt cggccgagtt cggcccctcc cagcccttca agggggcccg catcaccggc 240  
tcctccaca tgaccatcca gaccgccgtt ctcatgaga ccctcaccgc ccttggcgcc 300  
gaggtccgct ggtgctctgc aacat 325

<210> 3067

<211> 296

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3067

cgcngcacgc gtacgtaagc tcggaattcg gctcgagacc gatcccacca ggtaccgcaa 60  
gatgaaggag cgtctcgttg gggtttctga ggaaaccacc actggtgtta agaggctata 120  
tcagatgcag gcgaatggga ctctactctt ccctgctatt aatgtcaatg actctgttac 180  
caagagcaag ttgacaact tgtacgggtg ccgtcactct ctccctgatg gtctgatgag 240  
ggctactgat gtgatgattg ctggaaangt ggctgttgtg gctggatatg gtgaan 296

<210> 3068

<211> 304

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3068

cgtagtaacg tangaantcn gntcggctcn aantnntttc tcagcgcgta aagcatggct 60  
ttgttggtgg anataaccac gagtggctgc gagtacaagg tcaaggacct ttcccangcc 120  
gacttcggcc gcctcgagat cgagctggcc gangttgana tgcccggcct catggcctgt 180  
cggaccgagt tcggcccctc ccagcccttc aagggggccc gcacaccgg ctccctccac 240  
atgaccatcc agaccgccgt tntcattgag accctcaccg cccttngngc cgaggncgc 300  
tggt 304

<210> 3069  
 <211> 314  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3069

cgcangcacg cgtacgtaag ctcggaattc ggctcgaggc cgtcttcncc tggaagggtg 60  
 agaccctcca ggagtactgg tgggtgcaccg agcgcgccct cgactggggc cccggtggtg 120  
 gacccgacct catcgtcgaa cgacggtggt gacgctaccc ttctcatcca cgaaggcgctc 180  
 aaggccgagg agctctatga gaagaccggc gaactccccg accccaactc caccgacaac 240  
 gccgagtttc agatcgtgct taccatcatc agagatgggt tgaagaccga tcccaccagg 300  
 taccgcaaga tgaa 314

<210> 3070  
 <211> 299  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3070

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 attgtttgca acattggtca ctttgacaat gagatcgaca tgctggggct ggagaactac 120  
 cccggcgtga ngcgcacgca ccatcaagcc ccaaaccgac agatgggtct tccccgagac 180  
 caatgtcggc atcattgtct tggccgaggg tcgtttgatg aacttgggat gcgccacagg 240  
 acaccctagt tttgtgatgt cctgctcctt caccaaccag gtcattgctc agcttgagt 299

<210> 3071  
 <211> 302  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3071

aacgcangca cgcgtacgta agctcngaatt tcggctcgag gtttganaac ttgtacgggn 60  
 gccgtcactc tctccctgat ggnctgatga gggctactgt ngtgatgatt gctggaaagg 120  
 tggctgttgt ggctggatat ggtgatgttg gcaanggttg tgctgctgca ttgaagcagg 180

ctggtgctcg tgtcatcgtg actgagattg accccatttg tgcccttcag gctctcatgg 240  
aaggccttca ggttctacct tggaggatgt tgtttctgag gctgatatct ttgtcaccac 300  
ca 302

<210> 3072  
<211> 289  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3072

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gggctctccc cgagaccaat 60  
gtcggcatca ttgtcttggc cgaggggtcgt ttgatgaact tgggatgcnc cacaggacac 120  
cctagttttg tgatgtcctg ccccttcacc aaccagggtca ttgctcagct tgagttgtgg 180  
aaggagaaga gtaccggcaa gtacgagaag aaagtttacg ttttgcccaa gcaccttgat 240  
gagaagggtgg ctgcncttca ccttggcaaa cttgnggcta agctcacca 289

<210> 3073  
<211> 286  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3073

gtcgcattgca cgcgtacgta agctcggaat tcggctcgag gtttgacaac ttgtacgggt 60  
gccgtcactc tctccctgat ggtctgatga gggctactga tgtgatgatt gctggaaagg 120  
tggctgttgt ggctggatat ggtgatgttg gcaaggggttg tgctgcacca ttgaagcngg 180  
ctggtgctcg tgtcatcgtg actgagattg accccatttg tgcccttcag gctctcntgg 240  
aaggccttca ggttctgacc ttggaggatg ttgtttctga ggctga 286

<210> 3074  
<211> 285  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3074

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gtaagatgaa ggagcgtctc 60  
gttgggggttt ctgaggaaac caccactgga gttaagaggc tctatcagat gcaggcgaat 120  
gggactcttc tcttccctgc tattaatgtc aatgactctg tcaccaagag caagtttgac 180  
aacttgatat ggtgccgtca ctctctccct gatggtctca tgagggttac cgatgttatg 240  
attgctggaa aggtggctgt tgtggctgga tatggtgatg ttggc 285

<210> 3075  
<211> 300  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3075

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atcatggttg accacatgaa gaaaatgaag aacaatgccca ttgtttgcaa cattggtcac 120  
tttgacaatg agatcgacat gctggggctg gagaactacc ccggcgtgan gcgcattcac 180  
catcaagccc caaaccgaca gatgggtctt ccccgagacc aatgtcggca tcattgtctg 240  
ggccgaggggt cgtttgatga antgggatgc gccacaggac accctagttt tgtgatgtcc 300

<210> 3076  
<211> 264  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3076

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ttgcccgna cagtgccgcc gtcttncct ggaaggggtga gaccctccag gagtactggt 120  
ggtgcaccga gcgcgccctg cgactggggc cccgggtggtg gacccgacct catcgtcgan 180  
nacggtggtg acgtaccct tctcatccag gaaggcgtca aggccgagga gctctatgag 240  
aagaccggcg aactccccga ncct 264

<210> 3077  
<211> 310  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3077

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ngcangcacg cgtacgtaan ctcggaattc ggctcgagta gtcctgttat ttctcagcgc   60
gtaaagcatg gctttgttgg tggagaaaac cacgagtggg cgcgagtaca aggtcaanga  120
cctttccag gccgacttcg gccgcctcga gatcgagctg gccgagggtg agatgcccgg  180
cctcatggcc tgtcggaccg agttcggccc ctcccagccc ttcaaggggg cccgcatcac  240
cggctccctc cacatgacca tcnantcaaa ngttctcatt gagaccctca ccgcccttgg  300
cgccgaggtc                                     310

```

<210> 3078  
<211> 325  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3078

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ncnatgcacg cgtacgtaag ctcggaattc ggctcgagct caccactccc tccactctct   60
ttctctagtc ctgttatttc tcagcgcgta aagcatggct ttgttggtgg agaaaaccac  120
gagtggtcgc gagtacaagg tcaaggacct ttcccaggcc gacttcggcc gcctcgagat  180
cgagctggcc gaggttgaga tgcccggcct catggcctgt cggaccgagt tcggcccctc  240
ccagcccttc aagggggccc gcatcaccgg ctccctccac atgaccatcc agancgccgt  300
tctcattgag accctcaccg ccctt                                     325

```

<210> 3079  
<211> 307  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3079

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gnantngtcg cacgcacgcg tacgtaagct cggaattcgg ctcgaggngg tttctgagga   60
aaccaccact ggagttaaga ggctctatca gatgcaggcg aatggnactc ttctcttccc  120
tgctattaat gtcaatgact ctgtcaccan gagcaagttt gacaacttgt atgggngccg  180
tcaactctctc cctgatggtc tcatganngc taccgatntt atgattgctg gaaaggtggc  240
tgttgtggcn ggatatggtg atgttggcan gggttgtgct gctncaatnn agcaggctgg  300

```

tgctcnc

307

<210> 3080

<211> 303

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3080

nntncnanag tcgcatgcac gcgtacgtaa gctcggaatt cggctcgagt atttctcagc 60  
gcgtaaagca tggctttggt ggtggagaaa accacgagtg gtcgcgagta caaggtaag 120  
gacctttccc aggccgactt cggccgcctc gagatcgagc tggccgaggt tgagatgccc 180  
ggcctcatgg cctgtcggac cgagttcggc cctcccagc ctttaaggg ggcccgcac 240  
accggctccc tccacatgac catccaganc gccgttctca ttgagaccct caccgccctt 300  
ggn 303

<210> 3081

<211> 293

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3081

tcgcangcac gcgtacgtaa gctcggaatt cggctcgagg ttatttctca gcgcgtaaag 60  
catggctttg ttggtggaga aaaccacgag tggctcgag tacaaggta aggaccttc 120  
ccaggccgac ttcggccgcc tcgagatcga gctggccgag gttgagatgc ccggcctcat 180  
ggcctgtcgg accgagttcg gcccctccca gcccttcaag ggggccgca tcaccggctc 240  
cctccacatg accatccaga ccgccgttct cattgagacc ctcaccgccc ttg 293

<210> 3082

<211> 309

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3082

agtcgcatgt ntagtacgta agtcggaat tcggctcgag ctctagtcct gttatttctc 60



agcgcgtaaa gcatggcttt gttggtggag aaaaccacga gtggtcgcga gtacaaggtc 120  
aaggaccttt cccaggccga cttcggccgc ctcgagatcg agctggccga ggtcgagatg 180  
cccggcctca tggcctgttc ggaccgagtt cggccccctcc cagcccttca agggggcccg 240  
catcaccggc tccctccaca tgaccatcca gaccgccgtt ctcattgaga ccctcaccgc 300  
ccttggcgc 309

<210> 3083  
<211> 295  
<212> DNA  
<213> Glycine max

<400> 3083

tcgcatgcac gcgtacgtaa gctcggaatt cggctcgagc tagtcctgtt atttctcagc 60  
gcgtaaagca tggctttgtt ggtggagaaa accacgagtg gtcgcgagta caagggtcaag 120  
gacctttccc aggccgactt cggccgcctc gagatcgagc tggccgaggt tgagatgccc 180  
ggcctcatgg cctgtcggac cgagttcggc ccctcccagc ccttcaaggg ggcccgcac 240  
accggctccc tccacatgac catccagacc gccgttctca ttgagaccct caccg 295

<210> 3084  
<211> 303  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3084

gaangncaa tgcanctac gtaagctcgg aattcggctc gaggtcctgt tatttctcag 60  
cgcgtaaagc atggctttgt tgggtggagaa aaccacgagt ggtcgcgagt acaagggtcaa 120  
ggacctttcc caggccgact tcggccgcct cgagatcgag ctggccgagg ttgagatgcc 180  
cggcctcatg gcctgtcgga ccgagttcgg cccctcccag cccttcaagg gggcccgcac 240  
caccggctcc ctccacatga ccatccagan cncggttctc attgagaccc tcaccgccct 300  
tgg 303

<210> 3085  
<211> 293  
<212> DNA  
<213> Glycine max

<223>        unsure at all n locations  
<400>        3085

```
gtcgcnnnga cgcgtacgta agctcggaat tcggctcgag tagtcctggt atttctcagc   60
gcgtaaagca tggctttggt ggtggagaaa accacgagtg gtcgcgagta caaggtaag   120
gacctttccc aggccgactt cggccgcctc gagatcgagc tggccgaggt tgagatgccc   180
ggcctcatgg cctgtcggac cgagttcggc ccctcccagc ctttcaaggg ggcccgcac   240
accggctccc tccacatgac catccagacc gccgtttctca ttgagaccct cac         293
```

<210>        3086  
<211>        322  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        3086

```
gtcgcntagn cncgtacgtn agctcggaat tnggctcgng ctcgagccgc ctcgagccgc   60
tcgagccggt cctgttattt ctgagcgcgt aaagcatgnc tttgttggtg gagaaaacca   120
cgagtggctg cgagtacaag gtcaaggacc tttcccaggc cgacttcggc cgcctcgaga   180
tcgagctggc cgaggttgag atgcccggcc tcatggcctg tcggaccgag ttcggccccct   240
cccagccctt caaggggggc cgcacacacc gctccctcca catgaccatc cagancccg   300
ttctcattga gaccctcacc gc                                     322
```

<210>        3087  
<211>        299  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        3087

```
attcgcangc acgcgtacgt aagctcgga ttcggctcga gnatgtcctg ctccctcacc   60
aaccagggtca ttgtcagct tgagttgtgg aaggagaaga gtaccggcaa gtacgagaag   120
aaagtttacg ttttgcccaa gcacctgat gagaagggtg ctgcacttca ccttggaaca   180
cttgagagcta agtcaccaa gcttagcccg gccaggctg attacatcag tgtgcctggt   240
gaggggccat acaagcctgc tcattacagg tactaagtaa ttgagattat caacggaaa   299
```

<210> 3088  
 <211> 321  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3088

gtcgcangca cgcgtacgta agctcggaat tnggctcgng ctcgagccgc tcgagccgct 60  
 cgagccggtc ctgttatcttc tcagcgcgta aagcatggnn ttggttgngg agaaaaccac 120  
 gngtggtcgc gagtacaagg tcaaggacct ttcccaggcc gacttcggcc gcctcgagat 180  
 cgagctggcc gaggttgaga tgcccggcct catggcctgt cggaccgagt tcggcccctc 240  
 ccagcccttc aagggggccc gcatcacggg ctccctccac atgaccatcc agaccgccgt 300  
 tctcattgag accctcaccg c 321

<210> 3089  
 <211> 304  
 <212> DNA  
 <213> Glycine max

<400> 3089

tgcatagtcg catgcacgcg tacgtaagct cggaattcgg ctcgagtcta gtctgttat 60  
 ttctcagcgc gtaaagcatg gctttgttgg tggagaaaac cacgagtggc cgcgagtaca 120  
 aggtcaagga ctttccag gccgacttcg gccgcctcga gatcgagctg gccgaggttg 180  
 agatgcccg cctcatggcc tgctcgaccg agttcggccc ctcccagccc ttcaaggggg 240  
 cccgcatcac cggctccctc cacatgacca tccagtcgcg cgttctcatt gagaccctca 300  
 ccgc 304

<210> 3090  
 <211> 318  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3090

tcncangcac gcgtacgtaa gctcggaatt cggctcgagc cactctcttt ctctagtctt 60  
 gttatttctc agcgcgtaaa gcatggcttt gttggtggag aaaaccacga gtggtcgcga 120

gtacaaggctc aaggaccttt cccaggccga cttcggccgc ctcgagatcg agctggccga 180  
 gggtgagatg cccggcctca tggcctgtcg gaccgagttc ggcccctccc agcccttcaa 240  
 gggggcccg atcaccgget ccctccacat gaccatccag accgccgttc tcattgagac 300  
 cctcaccct tggcgccg 318

<210> 3091  
 <211> 279  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3091

gtcgcatgca cgcgtacgta agctcggaat tcggctcgag gaaaaccacg agtggtcgcg 60  
 agtacaaggt caaggacctt tcccaggccg acttcggccg cctcgagatc gagctggccg 120  
 aggttgagat gcccggcctc atggcctgtc ggaccgagtt cggcccctcc cagcccttca 180  
 agggggcccg catcaccggc tccctccaca tgaccatcca gaccgccgtt ctcatgaga 240  
 ccctcaccgc ccttggcggn gacnncgggn nctnaaaaa 279

<210> 3092  
 <211> 301  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3092

gcacgcgtac gtaagctcgg aattcggctc gagnttctct agtcctgtta tttctcagcg 60  
 cgtaaagcat ggctttgttg gtggagaaaa ccacgagtgg tcgcnagtac aaggtcaagg 120  
 acctttccca ggccgacttc ngccgcctcg agatcgagct ggccgaggtt gagatgcccg 180  
 gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg gcccgcatca 240  
 ccggctccct ccanatgacc atccagaccg ccgttctcat tgagacnctc accgcccttg 300  
 g 301

<210> 3093  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223>        unsure at all n locations  
<400>        3093

```
aggacatcat catggttgac cacatgaaga aaatgaagaa caatgccatt gtttgcaaca   60
ttggtcactt tgacaatgag atcgacatgc tggggctgga gaactacccc ggcgtganc   120
gcacacccat caagcccca accgacagat ggggtctccc gagaccaatg tcggcatcat   180
tgtctggccg agggctggtt gatgaacttg ggatgcgcca caggacaccc tagttttgtg   240
at                                                                                   242
```

<210>        3094  
<211>        303  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        3094

```
nngcacgcgt acgtaagctc ggaattcggc tcgagctctc tttctctagt cctgttattt   60
ctcagcgcgt aaagcatggc tttgttggtg gagaaaacca cgagtggtcg cgagtacaag   120
gtcaaggacc tttcccaggc cgacttcggc cgctctgaga tcgagctggc cgaggctcag   180
atgcccggcc tcatggcctg tcggaccgag ttcggcccct cccagccctt caagggggcc   240
cgcatcaccg gtcctccac atgaccatcc agaccgccgt tctcattgag accctcaccg   300
ccc                                                                                   303
```

<210>        3095  
<211>        311  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        3095

```
gtcgnngcac gcgtacgtaa gtcggaatt cggctcgaga gaccctccag gactactggt   60
ggtgcaccga gcgcgccctc gactggggcc ccggtggtg acccgacctc atcgtcgacg   120
acggtggtga cgctaccctt ctcatccacg aaggcgtcaa ggccgaggag ctctatgaga   180
agaccggcga actccccgac cccaactcca ccgacaacgc cgagtttcag atcgtgctta   240
ccattcatca gagatgggtt gaagaccgat cccaccagtt accgcaagat gaaggagcgt   300
ctcgttgggg t                                                                                   311
```

<210> 3096  
 <211> 316  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3096

agnanatgaa gcgtacgtaa gctcgggaatt cggctcgagc tctagtcctg ttattttctca 60  
 gcgcgtaaag catgggcttn ntgggtggag aaaaccacga gtggtcgcga gtacaaggctc 120  
 aaggaccttt cccaggccga cttcggccgc ctcgagatcg agctggccga ggttgagatg 180  
 cccggcctca tggcntgtcg gaccgagttc ggcccctccc agcccttcaa gggggcccg 240  
 atcaccggct cctccacnt gaccatccan anagncgtct cattgagacc ctcaccgccc 300  
 ttggcgccga ggtccg 316

<210> 3097  
 <211> 309  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3097

ngcncgcgtn cgtnngetcg gnnttcggct cgagctcttt ctctngtcct gtnntttctc 60  
 agcgcgtaan gcntggcttt gttgggtggag aaaaccacga gtggtcgcga gtncaaggctc 120  
 naggnccttt cccaggccgn cttcggccgc ctcgagatcg agctggccga ggttgagnng 180  
 cccggcctca tggcctgtcg gaccgagttc ggcccctccc ancccttcaa gggggcccg 240  
 atcaccggct cctccacat gacntccag accgcggttc tcattgagac cctcancgcc 300  
 cttggcgcc 309

<210> 3098  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3098

agtcgcangc acgcgtacgt aagctcgga ttcggctcga ggcaagatga aggagcgtct 60

cgttgggggtt tctgaggaaa ccaccactgg agttaagagg ctctatcaga tgcaggcgaa 120  
 tgggactctt ctcttccctg ctattaatgt caatgactct gtcaccaaga gcaagtttga 180  
 caacttgat ggggtccgctc actctctccc tgatgggtctc atgagggcta ccgatgttat 240  
 gattgctgga aaggtggctg ttgtggctgg at 272

<210> 3099  
 <211> 339  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3099

ctgtganttc tcagcgcgta aagcatggct ttgttggtgg agaaanccac gagtggtcgc 60  
 gantacaang tgcaagganc tttcccaggc cgacttcggc ngntcgaga tcgagctggc 120  
 cgaggttgag atgcccggcc tcatggcctg tcggncggag ttcggnccct cccagccctt 180  
 caagggggcn cgcattaccg gntccctcca catgaccatc cagancgccg ttctcatttg 240  
 agatcctnat cgcccttggn gccgnaggtc cgctgggtgct cctgnaacat cgtctccatc 300  
 caggaccacg ccncngccgc tattgcccgg anagtgccg 339

<210> 3100  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <400> 3100

gtcctgttat ttctcagcgc gtaaagcatg gctttgttgg tggagaaaac cacgagtgg 60  
 cgcgagtaca aggtcaagga cctttcccag gccgacttcg gccgcctcga gatcgagctg 120  
 gccgaggttg agatgcccgg cctcatggcc tgtcggaccg agttcggccc ctcccagccc 180  
 ttcaaggggg cccgcatcac cggctccctc cacatgacca tccagctccg ccgttctcat 240  
 tgagaccctc accgcccttg gc 262

<210> 3101  
 <211> 276  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations

<400> 3101

gtcgcacatgca cgcgtacgta agctcgggaat tcggctcgag ggttgctgctg ctgcattgaa 60  
gcaggctggt gctcgtgtca tcgtgactga gattgacccc atttngggccc ttnaggttct 120  
catggaaggc cttcagggtc tgaccttgga ggatggttgtt tctgaggctg atatctttgt 180  
caccaccacg ggtaacaagg acatcatcat gggtgaccac atgaagaaaa tgangangan 240  
tgccattggt tgcaacattg gtcactttga caatga 276

<210> 3102

<211> 296

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3102

cgctcgcacgc acgcgtncgt nagctcggna ttcggctcga gctttctcta gtcctgttnt 60  
ttctcagcgc gtaaagcatg gctttnttgg tggagaaaac caccagtggt cgcgagtaca 120  
aggtaagga ctttccag gccgacttcg gccgcctcga gatcgagctg gccgaggttg 180  
agatgcccgg cctcatggcc tgcggaccg agttcggccc ctcccagccc ttcaaggggg 240  
cccgcacac cggctccctc cacatgacca tccagaccgc cgttctcatt gagacc 296

<210> 3103

<211> 294

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3103

tcgcangcac gcgtacgtaa agctcgggaat tcngctcgag ngcccgcac accggctccc 60  
tttcacatga ccatccagac cgctgtcctc atcgagacc tcaccgctct cggcgccgag 120  
gttcgctggt gtcctgcaa catcttctcc actcaggacc acgccgccgc cgccatcgcc 180  
cgtgacagcg ccgcgtctt cgcctggaag ggtgagacc tccaggagta ctggtngtgc 240  
accgagcncg ccctcgactg gggccccggc ggcggccccg acctcatcgt cgac 294

<210> 3104

<211> 291

<212> DNA



<213> Glycine max

<223> unsure at all n locations

<400> 3104

```
tcgnnnngcac gcgtacgtaa gctcgggaatt cggctcgagc tagtcctggt atttctcagc 60
gcgtaaagca tggctttgtt ggtggagaaa accacgagtg gtcgcgagta caaggtaag 120
gacctttccc aggccgactt cgccncctc gagatcgagc tggccgaggt tgagatgcc 180
ggcctcatgg cctgtcggac cgagttcggc ccctcccagc cttcaaggg ggcccgcac 240
accggctccc tccacatgac catccagacc gccgttctca ttgagaccct c 291
```

<210> 3105

<211> 311

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3105

```
cgcangcacg cgtacgttag ctcggaattc ggctcgagnc ccgacctcat cgtcgacgac 60
ggtggtgacg ctacccttct catccacgaa ggcgtcaagg ccgaggagct ctatgagaag 120
accggcgaac tccccgacct caactccacc gacaacgccg agtttcagat cgtgcttacc 180
atcatcagag atggggtgaa gaccgatccc accagggtacc gcaagatgaa ggagcgtctc 240
gttgggggtt ctgaggaaac caccactgga gttaagaggc tctatcagat gcaggcgatt 300
gggcctttt t 311
```

<210> 3106

<211> 301

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3106

```
ngtcncatgc acgcgtacgt aagctcggaa ttcggctcga gtcagcgcg taaagcatgg 60
ctttgttggt ggagaaaacc acgagtgggtc gcgagtacaa ggtcaaggac ctttcccagg 120
ccgacttcgg ccgcctcgag atcgagctgg ccgagggtga gatgcccggc ctcatggcct 180
gttcggaccg agttcggccc ctcccagccc ttcaaggggg ccgcatcac cggctccctc 240
cacatgacca tccagaccgc cgttctcatt gagaccctca ccgccttgnc gccgaggtcc 300
```

g

301

<210> 3107  
 <211> 291  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3107

cgcangcacg cgtacgtaag ctcggaattc ggctcgagga ggaaaccacc actggagtta 60  
 agaggctcta tcagatgcag gcgaatggga ctcttctctt ccctgctatt aatgtcaatg 120  
 actctgtcac caagagcaag ttgacaact tgtatgggtg ccgtcatctc tccctgatgg 180  
 tctcatgagg gctaccgatg ttatgattgc tggaaagggtg gctgttgtgg ctggatatgg 240  
 tgatgttggc aagggttgtg ctgctgcaat gangcagggtg gtccccgttc a 291

<210> 3108  
 <211> 298  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3108

tttangcacg cntacgtaag ctcggaattc ggctcgagtc caggagtact ggtggtgcac 60  
 cgagcgcgcc ctcgactggg gccccggtgg tggacccgac ctcatcgctg acgacggtgg 120  
 tgacgctacc cttctcatcc acgaaggcgt caaggccgag gagctctatg agaaaccggc 180  
 gaactccccg accccaactc caccgacaac gccgagattc agatcgtgct taccatcatc 240  
 agagatgggt tgaagaccga tcccaccagg taccgcaaga tgaaggagcg tctcgttg 298

<210> 3109  
 <211> 341  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3109

gtcgcntgaa gcgnangcac gcgtacgtaa gctcgggaatt cggctcgagg aaaatgaaga 60  
 acaatgccat tgtttgcaac attggtcact ttgacaatga gatcgacatg ctgggggctgg 120

agaactaccc cggcgtgaag cgcataacca tcaagcccca aacngacaga tgggtcttcc 180  
 ccgagaccaa tgtcggcatc attgtcttgg ccgagggctcg tttgatgaac ttgggatgcg 240  
 ccacaggaca ccctagtttt gtgatgtctg tnccttcacc aaccagggtca tgctcagttg 300  
 agttgtggaa angagaagag taccggcaag tacgagaagn a 341

<210> 3110  
 <211> 279  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3110

ngtcgcatgc acgcgtacgt aagctcggaa ttcggctcga gcggctcgag gcaacatctt 60  
 ctccaccag gaccangccg ccgccgctat tgcccgcgac agtgcngccg tcttcgcctg 120  
 gaaggggtgan accctccagg agtactggtg gtgcaccgag cgcgccctcg actggggccc 180  
 cgggtggtgga cccgacctca tcgtcgacga cgggtggtgac gctacccttc tcatccacga 240  
 aggcgtcaag gccgaggagc tctatnagaa gaccggcga 279

<210> 3111  
 <211> 271  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3111

ccaccangta ccgcaagatg aaggagcgtc tcgttgggggt ttctgaggaa accaccactg 60  
 gtgttaanan gctatatcag atncaggcna atgggantct actcttccct gctattaatg 120  
 tcaatgactc tgttaccaag agcaagtttg acaacttgta cgggtgccgt cactctctcc 180  
 ctgatggtct gatgagggct actgatgtga tgattgctgg aaaggtggct gttgnngccc 240  
 ggatanggtg atnttgga gggttngcn c 271

<210> 3112  
 <211> 293  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3112

```

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gtctctagtc ctgttatttc 60
tcagcgcgta aagcatggct ttgttggtgg agaaaaccac gantggtcgc gagtacaagg 120
tcaaggacct ttcccaggcc gacttcggcn gcctcgagat cgagctggcc gaggttgaga 180
tgcccggcct catggcctgt cggaccgagt tcggcccctc ccagcccttc aagggggccc 240
gcatcaccgg ctccctccac atgaccatcc agaccgccgt tctcattgag acc 293

```

```

<210>      3113
<211>      301
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      3113

```

```

nngtcgcang cacgcgtacg taagctcgga attcggctcg agtctttctc tagtcctggt 60
atttctcagc gcgtaaagca tggctttggt ggtggagaaa accacgagtn gtcgcgagta 120
caagggtcaag gacctttccc aggccgactt cggccgcctc gagatcgagc tggccgaggt 180
tgagatgccc ggcctcatgg cctgtcggac cgagttcggc ccctcccagc ccttcanggg 240
ggcccgcata accggctccc tccacatgac catccagacc gccgtttctca ttgagaccct 300
n 301

```

```

<210>      3114
<211>      283
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      3114

```

```

tcgcangcac gcgtaogtaa gctcgggaatt cggctcgagt nggccgcctc gagatcgagc 60
tggccgaggt tgagatgccg ggcctcatgg cctgccggac cgagttcggc ccatctccag 120
cccttcaagg gggcccgcac caccggcncc cttcacatga ccatcnagac cgctgtcctc 180
atcgagaccc tcaccgtctc cggcgccgag gttcgctggt gctcctgcaa catcttctcc 240
actcaggacc acgccgccgc cgccatcgcc cgtgacagcg ccg 283

```

```

<210>      3115
<211>      313

```

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3115

gtcgcangca cgcgtacgtn nagctcggaa ttcggctcga gcttttctcta gtcctgttat 60  
 ttctcagcgc gtaaagcatg gctttgtngg tggagaaaac cacgagtggc cgcgagtaca 120  
 aggtcaagga cctttcccag gccgacttcg gccgcctcga gatcgagctg gccgaggttg 180  
 anatgcccgg cctcatggcc tgtcggaccg agttcggccc ctcccagccc ttcaaggggg 240  
 cccgcatcac cggctccctc cacatgccat ccagaccgcc gttctcattg anaccctnac 300  
 ngcccttggg cga 313

<210> 3116  
 <211> 305  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3116

ncgtcgcattg cagcgtacg tnagctcggg attcggctcg agctctttct ctagtcctgt 60  
 tttttctcag cgcgtaaagc atggctttgt tgggtggagaa aaccacgagt ggtcgcgagt 120  
 acaaggncna ggacctttcc caggccgact tcggccgcct cgagatcgag ctggccgagg 180  
 ttgagatgcc cggcctcatg gcctgtcggg ccgagttcgg cccctcccag cccttcaagg 240  
 gggcccgcat caccggctcc ctccacatga ccattccagan cgcggttctc attgagacct 300  
 caccg 305

<210> 3117  
 <211> 279  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3117

gtcgcangca cgcgtacgta agctcggaa ttcggctcga gttatttctc agcgcgtaaa 60  
 gcatggcttt gttggtggag aaaaccacga gtggtcgcga gtacaaggtc aaggaccttt 120  
 cccaggccga cttcggccgc ctcgagatcg agctggccga ggttgagatg cccggcctca 180

tggcctgtcg gaccgagttc ggcccctccc agcccttcaa gggggcccgc atcaccggct 240  
ccctccacat gaccatccag acagccgttc tcattgaga 279

<210> 3118  
<211> 301  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3118

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gntagtcctg ttattttctca 60  
gcgcgtaaag catggctttg ttggtggaga aaaccacgag tggtgcgca gtacaaggctc 120  
aaggaccttt cccaggccga cttcggccgc ctcgagatcg agctggccga ggttgagatg 180  
cccggcctca tggcctgtcg gaccgagttc ggcccctccc agcccttcaa gggggcccgc 240  
atcaccggct ccctccacat gaccatccag accgccgttc tcattgagac cctcaccgcc 300  
c 301

<210> 3119  
<211> 322  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3119

ngatgntgcn nncgcccgn agatcggaaa tncgggctcg agctgtgacc tntcaggatc 60  
tcanggnagg ccttcaggnt ctgaccttng aggatgttng ttctgaggct gatatcngtg 120  
tcaccancca ncgtaacaa ggacatcatc atggttgacc acatgangan aatgaagaac 180  
aatgccattg tttgcaacat tggtcatttg acaatgagat cgacatgctt gggctggaga 240  
actaccccg cgtgaagcgc atcaccatca agccccaac tgacagatgg gtcttccctg 300  
agaccaaacac cggatcatgt ct 322

<210> 3120  
<211> 293  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3120

gtcgcangca cgcgtacgta agctcggaaat tcggctcgag ctctttctct agtcctgtta 60  
 tttctcagcg cgtaaagcat ggctttgttg gtggagaaaa ccacgagtgg tcgcgagtac 120  
 aaggtcaagg acctttccca ggccgacttc ggccgcctcg agatcgagct ggccgaggtt 180  
 gagatgnccg gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg 240  
 gcccgcatca ccggtccct ccacatgacc atccagatcg ccgttctcat tga 293

<210> 3121  
 <211> 313  
 <212> DNA  
 <213> Glycine max

<400> 3121

ttcatgcacg cgtacgtaag ctcggaattc ggctcgagga gagagagaga gatctatcta 60  
 tctatcaaga tggcgttggt ggttgagaaa acaagcagtg gaagggagta caaggtgaag 120  
 gacatgacgc aagccgattt cggaagattg gaaatcgagc tggcggaggt tgaaatgccc 180  
 ggctcatgt cctccgcac cgagttcggc ccctctcaac ctttcaaggg cgctaggatc 240  
 accggtccc tccacatgac catccaaacc gccgtcctca tcgagaccct caccgccctc 300  
 ggcgccgagg tcc 313

<210> 3122  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3122

nngatgnacg cgtacgtnag ctcggaattc ggctcgagct ctttctctag tcctgttatt 60  
 tctcagcgcg taaagcatgg ctttggttgg ggagaaaacc acgagtggc gcgagtacaa 120  
 ggtcaaggac ctttcccagg cngacttcgg ccgcctcgag agcgagctgg ccgaggttga 180  
 gatgcccggc ctcatggcct gtcggaccga gttcggcccc tcccagccct tcaagggggc 240  
 ccgcatcacc ggctccctcc antgaccatc cagttccgcc gttctcattg agaccctcac 300  
 cgcccttggc gccga 315

<210> 3123

<211> 297  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3123

aanagcatgc acgcgtacgt aagctcggaa ttcggctcga gccactctct ttctctagtc 60  
ctgttatttc tcagcgcgta aagcatggct ttgttggtgg agaaaaccac gagtggctgc 120  
gagtacaagg tcaaggacct ttcccaggcc gacttcggcc gcctcgagat cgagctggcc 180  
gaggttgaga tgcccggcct catggcctgt cggaccgagt tcggcccctc ccagcccttc 240  
aagggggccc gcatcaccgg ctccctccac atgaccatcc agaccgccgt tctcatt 297

<210> 3124  
<211> 290  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3124

gtcgcangca cgcgtacgta agctcggaa ttcggctcga ctctttctct agtcctgtta 60  
tttctcagcg cgtaaagcat ggctttgttg gtggagaaaa ccacgagtgg tcgcgagtac 120  
aagggtcaagg acctttccca ggccgacttc ggccgcctcg agatcgagct ggccgagggt 180  
gagatgcccg gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg 240  
gcccgcata cgggtccct ccacatgacc atccagaccg ccgttctcat 290

<210> 3125  
<211> 273  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3125

angtcgcang cacgcgtacg tnagctcggaa attcggctcg agagaaaatg aagaacaatg 60  
ccattgtttt caacattggc cactttgaca atgagatcga catgctgggg ctgganaact 120  
accccgccgt gangcgcac accatcaagc cccaaaccga cagatggtct tccccgagac 180  
caatgtcggc atcattgtct tggccgaggg tcgtttgatg aacttgggat gcgccacagg 240  
acaccctagt tttntgatgn cctgctcctt cac 273



<210> 3126  
 <211> 289  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3126

ctnccgancg nccgctacgt aagctcggaa ttcggctcga gctctttctc tagtcctgtt 60  
 atttctcagc gcgtaaagca tggctntggt ggtggagaaa accacgagtg gtcgcgngta 120  
 caaggtaag gacctttccc aggccgactt cggccgcctc gagatcgagc tggccgaggt 180  
 tgagatgccg ggcctcatgg cctgtcggac cgagttcggc ccctcccagc cttcaaggg 240  
 ggcccgcatc accggctccc tccacatgac catccaganc gccgttctc 289

<210> 3127  
 <211> 310  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3127

anncacgcgt acgtaagctc ngaattcggc tcgagctctt tctctagtcc tgnatttcn 60  
 cancgngtaa agcatggctt tnttggtgga gaaaaccacg agtngtcgcn agtacaatgt 120  
 caaggacctt tcccaggccg acttcggncg cctngagatc ganctggccg aggttganen 180  
 gcacggcctc atggcctgtc ggaccgagtt cngccccctc cancccttca agggggccccg 240  
 catcaccggc tccctccaca tgaccatcca gaccggcggtt ctattgaga ccctcaccgn 300  
 cttggcgccg 310

<210> 3128  
 <211> 292  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3128

agtcgcangc acgctacgt aagctcggaa ttcggctcga ggcgccctcg actggggccc 60  
 cggtggtgga cccgacctca tcgtcgacga cgggtgtgac gctacccttc tcatccacga 120

aggcgtcaag gccgaggagc tctatgagaa gaccggcgaa ctccccgacc ccaactccac 180  
cgacaacgcc gagtttcaga tcgtgcttac catcatcaga gatggggtga agaccgatcc 240  
caccaggtac cgcaagatga aggagcgtct cgttgggggtt tctgaggaaa cc 292

<210> 3129  
<211> 299  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3129

nnngtatgca cgcgtacgta agctcggaat tcggctcgag ctttctctag tcctgttatt 60  
tctcagcgcg taaagcatgg ctttggttgg ggagaaaacc acncgtggtg cgcgagtaca 120  
aggtcaagga cctttcccag gccgacttcg gccgcctcga gatcgagctg gccgaggttg 180  
agatgcccgg cctcatggcc tgtcggaccg agttcggccc ctcccagccc ttcaaggggg 240  
cccgcatcac cggtccctc cacatgacca tccagancgc cgttctcatt gagaccctc 299

<210> 3130  
<211> 325  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3130

aaaaaagnaa ngtcgcatgc acgcgtacgt aagctcgga ttcggctcga gtcctgttat 60  
ttctcagcgc gtaaagcatg gctttgttgg tggagaaaac cagcagtggt ccgcgagtac 120  
aaggtcaagg acctttccca ggccgacttc ggccgcctcg agatcgagct ggccgaggtt 180  
gagatgcccg gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg 240  
gcccgcata ccggtccct ccacatgacc atccagaccg ccgttctcat tgagacctca 300  
ccgccttggc gccgaggtcg ctann 325

<210> 3131  
<211> 273  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3131

aacgcgtang taagctcgga attcggctcg agnttttctca gcgcgtaaag catggctttg 60  
 ttggtggaga aaaccacgag tggtcgagag tacaagggtca aggacctttc ccaggccgac 120  
 ttcggccgcc tcgagatcga gctggccgag gttnagatgc ncggcctcat ggcctgtcgg 180  
 accgagttcg gnnccctncca gcccttcaag ggggcncgca tcancggntc cctccacatg 240  
 accatcnagn ccgccgttct cattgagacc etc 273

<210> 3132  
 <211> 286  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3132

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctcttttctct agtcctgtta 60  
 tttctcagcg cgtaaagcat ggctttgttg gtggagaaaa ccacgagtgg tcgcgagtac 120  
 aagggtcaagg acctttccca ggccgacttc ggccgcctcg agatcgagct ggccgagggtt 180  
 gagangcccg gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg 240  
 gcccgcatca ccggctccct ccacatgacc atccagaccg ccgttc 286

<210> 3133  
 <211> 288  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3133

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctcttttctct agtcctgtta 60  
 tttctcagcg cgtaaagcat ggctttgttg gtggagaaaa ccacgagtgg tcgcgagtac 120  
 aagggtcaagg acctttccca ggccgacttc ggccgcctcg agatcgagct ggccgagggtt 180  
 gagangcccg gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg 240  
 gcccgcatca ccggctccct ccacatgacc atccagatcg ccgttctc 288

<210> 3134  
 <211> 289  
 <212> DNA  
 <213> Glycine max

<223>        unsure at all n locations  
 <400>        3134

tcgcangcan gcacgcgtac gtaagctcgg aattcggctc gaggttattt ctcagcgcgt    60  
 aaagcatggc tttgttggtg gagaaaacca cgagtggctg cgagtacaag gtcaaggacc    120  
 tttcccaggc cgacttcggc cgctcogaga tcgagctggc cgaggttgag atgcccggcc    180  
 tcatggcctg tcggaccgag ttcggccccct cccagccctt caagggggcc cgcatcaccg    240  
 gctccctcca natgaccatn cagaccgccc tccctcattg agaccctca                    289

<210>        3135  
 <211>        289  
 <212>        DNA  
 <213>        Glycine max

<223>        unsure at all n locations  
 <400>        3135

nacgtcgcac gcacgcgtac gtaagctcgg aattcggctc gaggtcgcac acggtggtga    60  
 cgctaccctt ctcattccacg aaggcgtcaa ggccgaggag ctctatgaga agaccggcga    120  
 actccccgac cccaactcca ccgacaacgc cgagtttcag atcgtgctta ccatcatcag    180  
 agatggggtg aagaccgatc ccaccaggta ccgcaagatg aaggagcgtc tcgttgggggt    240  
 ttctgaggaa accaccactg gagttaagag gctctatcag atgcaggcg                    289

<210>        3136  
 <211>        281  
 <212>        DNA  
 <213>        Glycine max

<223>        unsure at all n locations  
 <400>        3136

tcgcatgcac gcgtacgtaa gctcgggaatt cggctcgagc tagtcctgtt atttctcagc    60  
 gcgnaaagca tggctttgtt ggtggagaaa accacgagtg gtcgcgagta caagggtcaag    120  
 gacctttccc agnccgactt cggccgcctc gagatcgagc tggccgaggt tgagatgccc    180  
 ggctcatgg cctgtcggac cgagttcggc cctcccagc ccttcaaggg ggccccgcatc    240  
 accggctccc tccacatgac catccatgac accgttctca t                            281

<210>        3137

<211> 301  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3137

gtcgtgcac gcgtacgtac gctcggaatt cggctcgagc tagttttgtg atgtcctgct 60  
 cnttcaccan nccaggtcat tgctcagctt gagttgtgga aggagaagag taccggcaag 120  
 tacgagaaga aagtttacgt ttgcccgaag caccttgatg agaaggtggc tgcacttcac 180  
 cttggcaaan ttggagctaa gctcaccaag cttagcccgg cccaggctga ttacatcagt 240  
 gtgcctgttg agggctcata caagcctgct cattacaggt actaagtaat tgagattatc 300  
 a 301

<210> 3138  
 <211> 286  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3138

acgtcgcatg cacgcgtacg taagctcgga attcggctcg agctttctct agtcctgtta 60  
 tntctcagcg cgtaaagcat ggctttgttg gtggagaaaa ccacgagtgg tcgcgagtac 120  
 aaggtcaagg acctttccca ggccgacttc ggccgcctcg agatcgagct ggccgaggtt 180  
 gagatgcccg gcctcatggn ctgtcggacc gagttcggcc cctcccagcc cttcaagggg 240  
 gnccgcatca ccggtccct ccacatgacc atccagancg ccgttn 286

<210> 3139  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3139

ngatcgcntn aagtcgcang cacgcgtacg tangctcggg aattcggctc gagntgacaa 60  
 cttgtacngg tgccgtcact ctctccctga nggtctgatg agggctactg atgtgatgat 120  
 tgctggaaaag gtggctgttg tggctggata tggatgatgtt ggcaaggggt gtgctgctgc 180  
 attgaagcag gctggtgctc gtgtcatcgt gactgagatt gaccccatth gtgcccttca 240

ggctctcatg gaaggcctca gttctgacct

270

<210> 3140

<211> 298

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3140

ncgattgcac gcgtacgtna gctcggaatt cggctcgagn ngagaccctc caggagtact 60

ggtggtgcac cgagcgcgcc ctacgactgg ggccccggtg gtggaccgga cctcatcgtc 120

gacgacggtg angacgctac ctttctcatc cacgaaggcg tcaaggccga ggantctatg 180

agacgaccgg cgaactcccc gaccccaact ccaccgacaa cgccgagttt cagatcggtc 240

ttaccatcat cnganatggg ttgaagaccg atcccaccag gtaccgcaag atgaagga 298

<210> 3141

<211> 334

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3141

gangacgcgt acgttagctc ggaattccgc tcgagctcga gccggggaaa ccaacactgg 60

agttaagagg ctctatcaga tgcnaggcga atgggattcc tctcttcng ntaataaatg 120

tcaatgactc ntgtcaccan gagcnagttt gacaacttgt atgggtgccg tncactctct 180

ccctgatggt ctcatgaggg ctaccgatgt tatgattgct ggaaagggtg ctgttgtngc 240

tggatatggt gatgttgga anggttggtg tgctgcaatg naggaggctg gtgctcgtgt 300

catcgtgnac gagattgate ccatctgtgc cctc 334

<210> 3142

<211> 266

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3142

ctctctttct ctagtctgt tatttctcan cgcgtanagc atggctttgt tggaggagaa 60

aaccacgagt ggtcgcgagt acaagggtcaa ggacctttcc caggccgact tcggccgcct 120  
cgagatcgag ctggccgagg ttgagatgcc cggcctcatg gcctgtcgga ccgagttcgg 180  
cccctcccag cccttcaagg gggcccgcat caccggctcc ctccacatna cnaanaaatn 240  
ncnaantctc attgagaccc tcancg 266

<210> 3143  
<211> 288  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3143

ntgcncnngt acgtaagctc ggaattcggc tcgagctctt tctctagtcc tgttatttct 60  
cagcgcgtaa agcatggctt tgttggtgga gaaaaccacg agtggtcgcg agtacaaggt 120  
caaggacctt tcccaggccg acttcggccg cctcgagatc gagctggccg aggttgagat 180  
gcccggcctc atggcctgtc ggaccgagtt cggccctcc cagcccttca aggggggccc 240  
catcacgggc tccctccaca tgaccatcca ganncgccgt tctcattg 288

<210> 3144  
<211> 308  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3144

ncacgcgtac gtnagctcgg aattcggctc gagcctcgac gacggtggtg acgctaccct 60  
tctcatccac gaaggcgtca aggccgagga gctctatgag aagaccggcg aactccccga 120  
ccccaactcc accgacaacg ccgagtttca gatcgtgctt ancatcatca gagatgggtt 180  
gaagaccgat cccaccaggt ancgcaagat gaaggagcgt ctcgttgggg tttctgagga 240  
aaccaccatt ggagttaaga ggntctatca gatgcaggcg aatgggatct tctcttcct 300  
gctattaa 308

<210> 3145  
<211> 279  
<212> DNA  
<213> Glycine max

<223>        unsure at all n locations  
<400>        3145

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nntcgcatgc acgcgtacgt aagctcggaa ttcggctcga gctctttctc tagtcctgtt   60
atttctcagc gcgtaaagca tggctttgtt ggtggagaaa accacgagtg gtcgcgagta  120
caaggtcaag gacctttccc aggccgactt cggccgcctc gagatcgagc tggccgaggt  180
tgagatgccc ggcctcatgg cctgtcggac cgagttcggc ccctcccagc ctttcaaggg  240
ggcccgcatc accggctccc tccacatgac catccagac                               279
```

<210>        3146  
<211>        296  
<212>        DNA  
<213>        Glycine max

<223>        unsure at all n locations  
<400>        3146

```
cgtcgcangc acgcgtacgt nagctcggaa ttcggctcga gngcgacgcc accctcctca   60
tccacgaggg cgtcaaggcc gaggagctct atgagaagac cggggaactc cccgacccta  120
actccactga caacgccgag ntccagatcg tgcttaccat catcagagat gggttgaaga  180
ccgatcccac caggtaccgc aagatgaagg agcgtctcgt tggggtttct gaggaaacca  240
cactgggtgt taagaggcta tatcagatgc aggcgaatgg gactctactc ttccct       296
```

<210>        3147  
<211>        287  
<212>        DNA  
<213>        Glycine max

<400>        3147

```
gtcgcatgca cgcgtacgta agctcggaa ttcggctcga cgtaaagcat ggctttgttg   60
gtggagaaaa ccacgagtgg tcgagagtta caaggtcaag gacctttccc aggccgactt  120
cggccgcctc gagatcgagc tggccgaggt tgagatgccc ggcctcaggc ctgttcggac  180
cgagttcggc ccctcccagc ctttcaaggg ggcccgcatc accggctccc tccacatgac  240
catccagacc gccgtttctc tgagaccctc accgcccttg gcgccga                               287
```

<210>        3148  
<211>        275  
<212>        DNA



<213> Glycine max  
 <223> unsure at all n locations  
 <400> 3148

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctctttctct agtcctgtta 60  
 tttctcagcg cgtaaagcat ggctttgttg gtggagaaaa ccacgagtgg tcgcgagtac 120  
 aaggtcaagg acctttccca ggccgacttc ggccgcctcg agatcgagct ggccgaggtt 180  
 gagatgcccg gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg 240  
 gcccgcatca ccggctccct ccacatgacc atcca 275

<210> 3149  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3149

atcgtagta agctcggaat tcggctcgag cttcaccaac caggtcattg ctcagnttga 60  
 gttgtggatg gagaagagta ccggcaagta cgagaagaag gtttacgttt tgcccaagca 120  
 ccttgatgag aaggtggctg cacttcacct gggcaaactt ggngctaagc tgaccagct 180  
 tagcaagtcc caggctgatt acatcagtgt gcctgttgag ggtccataca agcctgctc 239

<210> 3150  
 <211> 270  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3150

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctttctctag tcctgttatt 60  
 tctcagcgcg taaagcatgg ctttgttggt ggagaaaacc acgagtggc gcgagtacaa 120  
 ggtcaaggac ctttcccagg ccgacttcgg ccgcctcgag atcgagctgg ccgaggttga 180  
 gatgcccggc ctcatggcct gtcggaccga gttcggcccc tcccagccct tcaagggggc 240  
 ccgcatcacc ggctccctcc acatgaccat 270

<210> 3151  
 <211> 290

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 3151  
  
 gtcgcangca cgcgtacgta agctcgggaa ttcggctcga ggtaaagcat ggctttgttg 60  
 gtggagaaaa ccacgagtgg tcgcgagtac aagggtcaagg acctttccca ggccgacttc 120  
 ggccgcctcg agatcgagct ggccgaggtt gagatgcccg gcctcatggc ctgtcggacc 180  
 gagttcggcc cctcccagcc cttcaagggg gcccgcatca ccggctccct ccacatnaca 240  
 nnnnacngaa aaatgctcat tgagaccctt caccgccnnt gggggcgngg 290

<210> 3152  
 <211> 310  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 3152  
  
 agcannagnt cnngangcgt acgtaagtcg ganttcggct cgagntcttt ctctagtctt 60  
 gttattttctc agcggcgtaa agcatgggtt tgttgatgga gnaaaccaac gagtcgttng 120  
 cgagtacaag gtcaaggacc tttcccaggc cgacttcggc cgctctgaga tcgagctggc 180  
 cgaggttgag atgcccggcc tcatggcctg tcggancgag ttcggccctt cccagccctt 240  
 caagggggcc cgcatcaccg gctccctcca natgaccatc cagaccgccg ttctcattga 300  
 gagctcacgc 310

<210> 3153  
 <211> 277  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 3153  
  
 gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctagtcctgt tattttctcag 60  
 cgcgtaaagc atggctttgt tgggtggagaa aaccacnagt ggtacgcgag tacaagggtca 120  
 aggacctttc ccaggccgac ttcggccgcc tcgagatcga gctggccgag gttgagatgc 180  
 ccggcctcat ggctgtcgg accgagttcg gccctccca gcccttcaag ggggcccgc 240

tcaccggctc cctccacatg accatccaga ccgccgt

277

<210> 3154

<211> 298

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3154

gcangcacgc gtacgtaagc tcggaattcg gctcgagctc tctttctcta gtcctgttat 60

ttctcagcgc gtaaagcatg gctttgttgg tggagaaaac cacgagtggc cgcgagtaca 120

aggtcaagga cctttcccag gccgacttcg gccgcctcga gatcgagctg gccgaggttg 180

agatgcccgg cctcatggcc tntcggaccg agttngggcc cgnccagccc gtnaaggggg 240

cccgcacnc cggcgctcgc nacaggatca nccagaccgc cgttctcagt ganacccc 298

<210> 3155

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3155

ngtcgcatgc acgcgtacgt aagctcggna attnnngctc gagctcgagc cgctncgagc 60

cgtccactc tctttctcta gtcctgttat ttctcagcgc gtaaancatg gctnanttgg 120

tggagaaaac cacgagtggc cgnagtaca aggtcaagga cctttcccag gccgacttcg 180

gccgcctcga atcgagctgg ccgnggttga gatgcccggc ctcatggcct gtnccgaccg 240

agttcggccc ctcccagccc ttcaaggggg cccgcacac cggtccctc cacatgacca 300

tccagaccgc cgttctca 318

<210> 3156

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3156

cactctcttt ctctagtctt gttatttctc agcgcgtaaa gcatggcttt gttgggtggag 60

aaaaccacga gtggtcgcga gtacaaggct aaggacctt cccaggccga cttcggccgc 120

ctcgagatcg agctggccga ggttgagatc ccggcctcat ggctgtngg accgagttcg 180  
gccctcccag ccctcaaggg ggcccgcac accggctccc tccacatgac catccagacc 240  
gccgtttctca ttgagacctc acngccttgg gccgagtcgg ttggtgctct gaaanatttc 300  
tcaaccaagg acaagcng 318

<210> 3157  
<211> 292  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3157

gttgacgcg tacgtaagct cggaattcgg ctcgagctct ctttctctag tctgttatt 60  
tctcngcgcg taaagcatgg ctttgttggg ggagaaaacc angagtgggc gcgagtacaa 120  
ggtcaaggac gtttcccagg ccgacttcgg ccgctcggag atcgagctgg ccgngggtga 180  
gatgcccggc ctcatggcct gtcggaccga gttcggcccc tcccagccct tcaagggggc 240  
ccgcatcacc ggctccctcc acatnacann cgacngcanc gttctcattg an 292

<210> 3158  
<211> 278  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3158

tcgcangcac gcgtacgtna gtcggaatt ccgctcgagn tttctctagt cctgttattt 60  
ctcagcgcgt aaagcatggc tttgttggtg gagaaaacca cgagtggtcg cgagtacaag 120  
gtcaaggacc tttcccaggc cgacttcggc ccgctcgaga tcgagctggc cgaggttgag 180  
atgcccggcc tcatggcctg tcggaccgag ttcggcccct ccagccctt caagggggcc 240  
cgcatcaccg gctccctcca catggaccat ccagaccg 278

<210> 3159  
<211> 332  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations

<400> 3159

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acaccncct accacgccan cgnaagctcg gaattnggct cgagattcac caaccaggt 60
cattgctcag ttgagttgtg gaaggagnag agtaccggca agtacgagaa gaaggtttac 120
gttttgcnca agcaccttga tgagaaggtg gctgcactta acctgggcaa acttgnagct 180
aagctgaccc agcttagcaa gtnccaggnt gattacatca gtgtgcctgt tgagggtcca 240
tacaagcctg ctcantacag gtacnnnctn atnnngatga tcaactgnaa agtgagttag 300
ggaaagacaa aaatgggttt tatnaatngg at 332
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<210> 3160

<211> 288

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3160

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tcgcangcac gcgtacgtaa gctcggaatt cggctcgagc tctttctcta gtcctgttat 60
ttctcagcgc gtaaagcatg gctttgttgg tggagaaaac cagcagtggt cgcgagtaca 120
aggtcaagga cttttccag gccgacttcg gccgcctcga gatcgagtgg ccgagggtga 180
gatgcccggc ctcatggcct ntcggaccga gttcggcccc tcccagccct tcaagggggc 240
ccgcatacc ggctccctcc acatgaccat ccagnngccg ttctcatt 288
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<210> 3161

<211> 282

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3161

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tcgcatgcac gcgtacgtaa gctcggaatt cggctcgagc tctttctcta gtcctgttat 60
ttctcagcgc gtaaagcatg gctttgttgg tggagataac cacnctggt ccncgagtac 120
aaggtcaagg acctttccca ngccgacttc ggccgcctcg agatcgagct ggccgaggtt 180
gagatgcncg gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg 240
gcccgcata cggntccct ccacatganc atccagaccg cc 282
```

<210> 3162

<211> 318  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3162

cgcacgncgc gaacnnnagc ncgcgaattc ggntcgagng ngcccnegac tggggccccg 60  
 gtggtggaca ccgacctcat cgtcgacgac ggtggtgang nnacnctnct catccacnaa 120  
 ggcgtcaang ccnaggagcn cnatgagaag accggcgaaan tcnccgannc caactccacc 180  
 ganaacgccg agctgcagat cgnngcttacc atcancagag angggttgaa gaccganccc 240  
 atnaggnanc gcaagatgaa ggagcgtctc gttggggtnct ctgaggnnac cancactgga 300  
 gttaagaggc tcnatcag 318

<210> 3163  
 <211> 319  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3163

gtcgcangca cgcgtacgta agctcggaat tcggctcgag acggctgcga gaagacgaca 60  
 gaaggctcag cttgagttgt ggaaggagaa gtagtaccggc aagtacgaga agaaagttta 120  
 cgttttgccc aagcaccttg atgagaaggt ggctgcactt caccttggca aacttgagac 180  
 taagctcacc aagcttagcc cggcccaggc tgattacatc agtgtgcctg ttgaggggtcc 240  
 ataaagcctg ctcatcagac gtactaagta attgagatta tcaacggaaa gtgagggaaa 300  
 gacaaaatcg gttttatga 319

<210> 3164  
 <211> 294  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3164

tcgcangcac gentacgtaa gctcggaatt cggctcgagc ggaaagtgaag ggaaagacaa 60  
 aatcggtttt atgaatcgga ttgattgttt aattttcctt tgataatctc aattacttag 120  
 tacctgtaat gagcaggctt gtatggaccc tcaacaggca cactgatgta atcagcctgg 180

gccgggctaa gcttgggtgag cttagctcca agtttgccaa ggtgaagtgc agccaccttc 240  
 tcatcaaggt gcttgggcaa aacgtaaact ttcttctcgt acttgccggt actc 294

<210> 3165  
 <211> 294  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3165

nncgcatgca cgcgtacgta agctcgggaa ttcgggctcg agctctttct ctagtcctgt 60  
 tattttctcag cgcgtaaagc atgggctttg ttgggtggaga aaaccacgag tggtcgcgat 120  
 acaaggtcaa ggacctttcc caggccgact tcggccgcct cgagatcgag ctggccgagg 180  
 ttgagatgcc cggcctcatg gcctgtncgg accgagttcg gcccctccca gcccttcaag 240  
 ggggcccgcga tcaccggctn cccttcacaca tgaccatcca gaccgccgtt ctca 294

<210> 3166  
 <211> 204  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3166

cgtcgcangc acgcgtacgt aagctcggaa ttcggctcga ggtttctgag gaaaccacca 60  
 ctggagttaa gaggctctat cagatgcagg cgaatgggac tcttctcttc cctgctatta 120  
 atgtcaatga ctctgtcacc aagagcaagt ttgacaactt gtatgggtgc cgtcactctc 180  
 tccctgatgg tctcatgagg gcta 204

<210> 3167  
 <211> 203  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3167

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gtcaccaaga gcaagtttga 60  
 caacttgat gggtgccgtc actctctccc tgatgggtctc atgagggcta ccgatgttat 120

gattgctgga aaggtggctg ttgtggctgg atatggtgat gttggcaagg gttgtgctgc 180  
 tgcaatgaag caggctggtg ctc 203

<210> 3168  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3168

gcaagtacga gaagaaagtt tacgttttgc ccaagcacct tgatgagaag gtggctgcac 60  
 ttcaccttgg caaacttggg gctaagctca ccaagcttag cccggcccag gctgattaca 120  
 tcagtgtgcc tgttgagggt ccatacaagc ctgctcatta caggactactaa gtaattgaga 180  
 ttatcaacgg aaagtgaggg aaagacaaaa tcggntttat gaatcggatt gattgtttaa 240  
 ttttcctttt tttgaatttt tgttgt 266

<210> 3169  
 <211> 326  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3169

ntctnntgna ngcgtacgta agctcggaat tnnngctcgag ntcgagcngc gccgtcttcn 60  
 anntggacag ggtgagaccc tccagganct actggtggtg caccgngcgc gccctcgact 120  
 ggggccccgg tgggtggaccc gacctcatcg tnnacgacgg tgggtgacgt acccttctca 180  
 tccacgaagg cgtcaaggcc gaggagctct ntgagaagac cggcgaattc ccgancccaa 240  
 ntccaccgac aagccggant ttcagatcgt gnttancatc atcagagatg gttgaagacc 300  
 gttccaacca ggttacngca gatgaa 326

<210> 3170  
 <211> 315  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3170

natcgatgca cgcgtacgta agctcggnat tcggctcgan ctcgagccga atcggtcga 60



. gggttgacca catgaagatn atganganca atgcnattgt anncaacatt ggnncacttt 120  
 natcatnagn tgcacatnct nggggtggag nactaccccg gcgtgangcg catccacat 180  
 caagcccaa accgacagat gggtcancnc cgagaccaat gtcggcatca ttgtcttggc 240  
 cgagggctgt ttgatgaact tgggatgcgc cacaggacac cctagttttg tgatgtctgt 300  
 cctcacnaac caggt 315

<210> 3171  
 <211> 274  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 3171

ncgcgtgnac gcgtacgtaa gctcggaatt cggctcgagg ttctctcacc actccctcca 60  
 ttctctttct ctagtcctgt tatttctcag cgcgtaaaagc atggctttgt tgtcnggaga 120  
 anaccacgag tggtcgag tacaaggatca aggacctttc ccaggccgac ttcgcccgcc 180  
 tcgagatcga gctggccgag gttgngatgc ccggcctcat ggcntgtcgg accgagttcg 240  
 gccctccca gcccttcaag ggggcccgc tcac 274

<210> 3172  
 <211> 282  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 3172

gtcgcangca cgcgtncgga ngcacgctcn ctttgctcta gtgcctgtta tttctcancn 60  
 cgtaaagcat ggctttgttg gtggagaaaa ccacnagtgg tgcgcgagta canggttnnag 120  
 gacctttgcc caggccgact tcngccgcct cgagatcgag ctggccgagg ttganatgcc 180  
 cggcctcatg gcctgttcgg accgagttcg gccctccca ncccttcaag ggggcccgc 240  
 tcaccggctc cctccacatg accatccaga ncgccgttct ca 282

<210> 3173  
 <211> 312  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 3173

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acgtcgcang cacgcntacg taagctcgga attcggctcg agtacgtttt gcccaagcac    60
cttgntgaga aggtggctgc acttcacctg ggcaaacttg gngctaagct gaccagctt    120
agcaagtccc aggctgatta catcagtgtg cctgttgagg gtccatacaa gcctgctcac    180
tacaggctact aagtgattga gatgatcaac tgaaaagtga gtgagggaaa gacaaaaatc    240
ggttttatca atcggatttg attgtttaat tttccttttt tgatttttgg tgtttagactt    300
tcagatttgn gg                                                         312
```

<210> 3174  
<211> 297  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3174

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angnacangc acgcgtacgt aagctcggaa ttcggctcga gtgccaagc accttgatga    60
gaagggtggct gcacttcacc tgggcaaact tggngctaag ctgaccacgc ttagcaagtc    120
ncaggctgat tacatcagtg tgcctgttga gggccatac aagcctgctc actacaggta    180
ctaagtgatt gagatgatca actgaaaagt gagtgaggga aagacaaaaa tcggtttttat    240
caatcggatt tgattgttta attttccttt ttttgatttt tgggtgttaga cttttca     297
```

<210> 3175  
<211> 297  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3175

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tcgcntgcac gcgtacgtaa gctcggaatt cggctcgagt ttacgttttg cccaagcacc    60
ttgatgagaa ggtggctgca cttcanctgg gcaaacttgg acctaagctg acccagctta    120
gcaagtccca ggctgattac atcagtgtgc ctgttgaggg tccatacaag cctgctcact    180
acaggctacta agtgattgan atgntcaact gaaaagtgag tgagggaag acaaaaaatcg    240
ntttntcaa tcggatttga ttgtttaatt ttcctttttt tgatttttgg tgttaga     297
```

<210> 3176  
 <211> 289  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3176

gtcgcacatgca cgcgtacgta agctcggaat tcggctcgag tgcccaagca ccttgatgag 60  
 aaggtggctg cacttcacct gggcncactt ggngctaagc tgaccagct tgcnaagtc 120  
 ccaggctgat tacatcagtg tgctgttga gggccatac aagcctgctc actacaggta 180  
 ctaagtgatt gagatgatca actgaaaagt gaggtaggga aaggacaaaa atcggtttta 240  
 tcaatcggat ttgatgttta attttccttt tttgattttg gtgttgan 289

<210> 3177  
 <211> 336  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3177

gngangcagn gtacgtaagc tcggaattcg gctcgaggag agagagagag agagagagag 60  
 atctatctat ctatcaagat ngcgttgttg gttgaaaaaa aaaannattg anaggganta 120  
 caaggtgaag ganatgatgc aagccgnttt nggaagattg gaaattcgag ctggcggagg 180  
 ttgaaatgcc cggcctcatg tcctnccgc accgagttcg gcccctcttc aatccttcaa 240  
 gggcgctagg atcancggct ccctccacat gaccatcnan agccgncgct cttcatngag 300  
 acnctaccg ctctcggcgc cgaggtccgc tgggtgc 336

<210> 3178  
 <211> 209  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3178

tnattacncg tacgnaagct cggaattcgg ntcgagccct ccaggagtac tgggtggtgca 60  
 ccgagcggc cctcgactgg ggccncggtg gtggaccga cttcatcgt cgacgacggt 120  
 ggtgacgnta cccttctcat ccacgaaggc gtcaaggncg agganctcta tgagaanacc 180

ggcgaactcg ccgancccan ctccacaaa

209

<210> 3179  
<211> 291  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 3179

nagtcgcang cacgcgtacg taagctcgga attcggctcg aggctcacca actcccgctc 60  
ccatttcctt atttatagac agagtctgat tgtttcctca ccactccctc cantctcttt 120  
ctcctagtcc tgttatttct cagcgcgtaa agcatggctt tgttggtgga gaaaaccacg 180  
agtggctcgcg agtacaaggt caaggacctt tcccaggccg acttcggccg cctcgagatc 240  
gagctggccg aggttgagat gcccggcctc atggcctgtc ggaccgagtt c 291

<210> 3180  
<211> 297  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 3180

nacgtcgcac gcacgcgtac gtnagctcgg aattcggctc gagtnggaag accggggaac 60  
tccccgaccc taactccact gacaacgccg agttccagat cgtgcttacc atcatacaga 120  
gatggggtga agaccgatcc caccaggtag cgcaagatga aggagcgtct cgttgggggtt 180  
tctgaggaaa ccaccactgg tgtaagagg ctatatcaga tgcaggcgat tgggntntat 240  
ttccccgctna taataatnnc nngnnntctg ttaccaagng cngtntnaca acttgnc 297

<210> 3181  
<211> 208  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 3181

gtcgcangca cgcgtacgta agctcggaat tcggctcgag tacgttttgc ccaagcacct 60  
tgatgagaag gtggctgcac ttcacctggg caaacttggn gctaagctga cccagcttag 120

caagtcccag gctgattann ncagtgtgcc tgttgagggg ccatacaagc cgctcactac 180  
 aggtactaag tgattgagat gatcaact 208

<210> 3182  
 <211> 212  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3182

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctctctttct ctagtcctgt 60  
 tattttctcag cgcgtaaagc atggcctttgt tggaggagaa aaccacnagt ggtcgagagt 120  
 acaaggtcaa ggacctttcc caggccgact tcggcngcct cgagatcnag ctggccgagg 180  
 ttgagatgcc cggcctcatg gcctgtcgga cc 212

<210> 3183  
 <211> 317  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3183

aagtnncat gcacgcntac gtaantcgga attcggctcg agctctagtc ctgttatttc 60  
 tcancgcgta aagcatgggc tttgttggtg gagaaaacca cgagtngtcc gctagtacaa 120  
 ggtcaaggac ctttcccagg ccgacttcng ccgcctcgag atcgagctgg ccgaggttga 180  
 natgcccggc ctcatggcct gtnggaccga ntteggcccc ttccaaccc ttcaaggggg 240  
 cccgnatcan cggtccctn canatganca tccagaancg cgttntcatt gngaccctna 300  
 ncggctttgg ggcgagag 317

<210> 3184  
 <211> 294  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3184

tcgcangcag ncgtacgtaa gctcggaatt cggctcgang anaggtgnct gcacttcacc 60  
 tgggcaaact tggcnctaag ctgaccanc ttagcaagtc ccaggctgat tacatcagt 120

tgcncgttga ggggccatac aagcctgctc antannggta ctaagtgatt gagatgatca	180
actgaaaagt gaggtaggga aagacaaaaa tcggttttat caatcggatt tgattgttta	240
attttccttt tttgattttt ggtgttngac ttttcagaat gtggtagaag aatt	294
<210>	3185
<211>	245
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	3185
gatggcggtt ttggttgaga aaacaagcag tggaaggag tacancgtga aggnecatgac	60
gcaagccgnt ttcggaagat tggaaatcga gctggcggag gttgaaatgg cccggcatca	120
tgtccctccc ggcaccgngt tcggccctc ttcaaccctt caagggcgcn angatnaccg	180
gntccctcca caatgagcnn ncaaanagcc gtacctnaaa cgnagacncg cacnngccng	240
ggggc	245
<210>	3186
<211>	234
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	3186
aaaannanan gtngcatgca cgcgtacgta agctcggaat tcggctcgnn ctcgagccga	60
atcggtcga ctttctctag tcctgttatt tctcagcgcg taaagcatgn ctttgttggt	120
ggagaaaaca nacgagtggg cgcgagtaca aggtcaagga ctttcccag gccgacttcg	180
gccgcntcga gatcgagctg gccgaggttg agatgcccg cctcatggcc tgtn	234
<210>	3187
<211>	298
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	3187
tcgcnngcac gcgtacgtna gctcgnantt cggcnccgag tggaggagg taaggctggg	60

tcgacccaga tctagttgag ctcaccaact cccgctccca tttccttatt tatagacaga 120  
gtctgattgt ttcctcacca ctccctccan tctctttctc tagtcctggt atttctcagc 180  
gcgtaaagca tggctttggt ggtggagaaa accacgagtg gtcgcgagta caaggtcaag 240  
gacctttccc aggccgactt cggccgcctc gagatcgagc tggccgaggt tgagatgc 298

<210> 3188  
<211> 221  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3188

tntgtcgcat ncacgcgtac gtaagctcgg aatnnggctc gnnctcganc cgctncgagc 60  
cgctcgagcc ggtcctgtna tntctcagcg cgtaaagcat ggctttantt ggtgganaaaa 120  
accacgagtg gtcgcgagta caaggtcaag gacctttccc aggccgactt cgggcccctn 180  
cgagatcgag ctggccgagg ttgagatgcc cggcctcatg g 221

<210> 3189  
<211> 291  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3189

anncananaa tnatgcacgc gtacgtaagc tcggaattcg gctcgagatt gtttcctcac 60  
cactccctcc antctctttc tctagtcctg ttattttctca gcgcgtaaag catggctttg 120  
ttggtggaga aaaccacgag tggtcganag taanaaggtc aaggactttc ccaggccgac 180  
ttcggcngcc tcgagatcga gctggccgag gttnaaatgc cgggcctcat ggctggncgg 240  
acgattnggg cccctcnaa cctttaaggg gggccnaaat cangggntcc n 291

<210> 3190  
<211> 303  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3190

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catggccttg tnggtggaga aaaccacgag tggtcgcgag tacaagggtca aggacctttc 120  
ccaggccgac ttcggccgcc tcgagattcg agctgggccg aggttgagat gcccggacct 180  
catggcctgt ncggaccgag ttnggncccc taccagccc tttcaagggg gncccgcatc 240  
accggcnccc nccacatgna ccatccagtg ccgnccgttg ttcattgn gn accctgcacc 300  
gcc 303

<210> 3191  
<211> 144  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3191

ngcaggcacg cgtacgtaag ctncggaatt cggctcgagn cggctcgagg ggttgtgctg 60  
ctgcattgaa gcaggctggt gctcgtgtca tcgtgactga gattgacccc atttgtgccc 120  
ttcaggctct catggaagg cctt 144

<210> 3192  
<211> 134  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3192

aacgtcgcat gcacgcgtac gtaagctcgg aattcggctc gagcccgacc tnatcgtcga 60  
cgacggtggt gacgctaccc ttctcatgcc acgaaggcnt tnaggccgag gagctctatg 120  
agaagaccgg cgaa 134

<210> 3193  
<211> 303  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 3193

acgtcgcatg cacgcgtacg taagctcggg attcggctcg aggttagca agtcccaggg 60  
ctgattacat cagtgtgcct gttgaggggtc catacaagcc tgctcactac aggtactaag 120



tgattganat gatcaactga aaagtgagtg agggaaagac aaaaatcggg tttatcaatc	180
ggatttgatt gtttaatttt cctttttttg atttttggtg ttagactttt cagatttggtg	240
gtagaagaat gtagccattt ttatttctgt agaacttttg ttcgggtgggt gggaccagta	300
agg	303

<210>	3194
<211>	315
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	3194

tagcangcac gcgtacgtaa gctcgggaatt cggctcgagg ggtcgtttga tgaacttggg	60
gtgtgccacg ggacacccca gctttgtgat gtcgtgctcc ttcaccaacc aggtcatngc	120
tcagcttgaa ttgtggaaag agaaggggtc tgggaagtat gagaagaagg tgnatgtgtt	180
gccaagcac cttgacgnga aagtgggttc tctccacctt ggccagnttg gagctaggct	240
caccaagctt tccanagacc aagctgatta catcagtgtg cctgttgagg gtccatacaa	300
gccgctccnc acagt	315

<210>	3195
<211>	290
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	3195

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agcttgaatt gtggaaagag aagggttctg ggaagtatga gaagaagggtg tatgtgttgc	120
ccaagcacct tgacgagaaa gtggcttctc tccaccttgg ccagcttgga gctaggctca	180
ccaagctttc caaagaccaa gctgattaca tcagtgtgcc tggtgagggt ccatacaagc	240
ctgctcacta caggtactga tccatcctat tgggggagaa taaacctaaa	290

<210>	3196
<211>	217
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations  
<400> 3196

gtcgcangca cgcgtacgta agctcgggaat tcggctcgag ctcagcttga attgtggaaa 60  
gagaagggtt ctgggaagta tgagaagaag gtgtatgtgt tgcccaagca ccttgacgag 120  
aaagtggctt ctctccacct tggccagctt ggagctaggc tcaccaagct ttccaaagac 180  
caagctgatt acatcagtgt gcctgttgag ggtccat 217

<210> 3197  
<211> 255  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3197

gaaagagaag ggttctggga agtatgagaa gaagggtgat gtgttgccca agcaccttga 60  
cgagaaaagtg gcttctctcc accttggcca gcttggagct aggctacca agctttccaa 120  
agaccagctg attacatcag tgtgctgttg angggggcca taanagcttg tcnctnangg 180  
nnnnggnccn ncctttgggg gggaannaac ccgaantntn tttnatctcg ggggggnttg 240  
tnnanttttn ttng 255

<210> 3198  
<211> 338  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 3198

aggaccatgc cgccgccgcc atcgcccgcg acaggcctcc gtcttcgcct ggaagggtga 60  
gaccctccag gaatactggt ggtgcaccga gcgcgcctcg actgggnncc ccggcggcgg 120  
ccgatctca tcgtcgacga cggcggcgac accactcttc tcattcacga gggcgtcaag 180  
gccgaggaga tctttgagaa gaccggccag ttccccgacc cggcttcctc cgacaatgcg 240  
gattcncgat cgtgctgagc atcatcaggg atggttgaag accgatccca agaggtagca 300  
caagatgaag acagaatcgt cgggtgtctcc gaagaaac 338

<210> 3199  
<211> 317

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3199

agtcgcatgc acgcgtacgt aagctcggaa ttcggctcga ggcctggaag ggtgagaccc 60  
 tccaggaata ctggtggtgc accgagcncg ccctcgactg gngccccggc ggcggccccg 120  
 anctcatcgt ccgacgacgg cggcgacacc actcttctca ttcacgaggg cgtcaaggcc 180  
 gaggagatct ttgagaagac cggccagttc cccgaccgga ctctctccga caatgcggag 240  
 ttccagatcg tgctgagcat cattcagggg tggcttgaag accgatccca agaggtacca 300  
 caagatgaag gacagaa 317

<210> 3200  
 <211> 290  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 3200

gtcgcangca cgcgtacgta agctcggaa ttcggctcga ggaatatcca ctagcttcgt 60  
 ggaggtgacg gatcttgaca tggttgatgc tncatagta gaagggaaaa caaaagtggc 120  
 tttacttcga atctgtttcc aacccacccc ttacggttgc gaacatacct gaactgtgcc 180  
 acatggcaca ccggaaggga gtgacggtgg tgggtggaca cagtttcgga cccatggtgc 240  
 tttcgccagc gcgtcttggg gctgatgttg tcgttcacag tatctccaag 290

<210> 3201  
 <211> 213  
 <212> DNA  
 <213> Glycine max  
 <400> 3201

attcggctcg aggcggaata tccactagct tcgtggaggt gacggatctt gacatgggtg 60  
 atgctgccat agtagaaggg aaaacaaaag tgctttactt cgaatctgtt tccaacccca 120  
 cccttacggt tgcgaacata cctgaactgt gccacatggc acaccggaag ggagtgcggg 180  
 tgggtggtgga caacacgttc gcgcccattg tgc 213

<210> 3202  
 <211> 297  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3202

cncangcacg cgtacgtaag ctcggaattc ggctcgaggt gggacccacg cgctcctctc 60  
 acactttctc ccgcgcacgt gcggaatata cactagcttc gtggaggtga cggatcttga 120  
 catggttgat gctgccatag tagaaggga aacaaaagt ctttacttcg aatctgtttc 180  
 caaccacc cttacggttg cgaacatacc tgaactgtgc cacatggcac accggaaggg 240  
 agtgacggtg gtgggtggaca acacgttcgc gcccatggtg ctttcgccag cgcgtct 297

<210> 3203  
 <211> 300  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3203

gtcncnngta cgtaanctcg gaattcggct cgagcngaca ancccaannc ccaagcccaa 60  
 caatctgcat ccccgccgc ggcccggtgca accaaatggg ccgtggacag ctggaagtcc 120  
 aagaaggccc tgcagntgcc cgaatacccc aaccaggagg atctcgaggc cgctctccgc 180  
 accctcgacg cntnccccctc anatcgtctt cgccggcgag gcccgganac tcgaggagca 240  
 cctcgccgag gccgcatng gaaatgcntt ctccnncnan ggcgnagatg tncnagagt 300

<210> 3204  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 3204

ccacgcgtcc gccacgcgt ccggtccgcc atctccgccg tctnctcca gctctgcagc 60  
 cacngcgaac anggtggtcg nctccagaac tctntacngt gggaccacn cgctcctctc 120  
 acactttctc ccgcgcacgt gcggaatata cactagcttc gtggaggtga cngatcttga 180  
 catggnttat gctgccataa tagaaaggaa aacaaaagt ctttacttnt aatctggttc 240

caaccccacc cttacngttg cgaacatacc tgaactgtgc cacatggcac accggaaggg 300  
agtgactgtg gtggtggaca acacgttcgt gcccatgggtg ctttcgccag cgcgtntttg 360  
gtgcttatgt ttgtncttca cagtatctcc aagttcatna atnggtgggg cccgatatta 420  
ttgcangagc ggng 434